



## Short Form Catalog

**Microwave, Wireless and  
Broadband Components**

[www.aeroflex-inmet.com](http://www.aeroflex-inmet.com)

Attenuators  
Adapters  
Bias Tees  
DC Blocks  
Gain Equalizers  
Terminations



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## Catalog Notes

The 2.9mm products shown herein are in fact 2.92mm components. Aeroflex / Inmet has elected to use 2.9mm as a "shorthand" designation for the 2.92mm standard.

Components with SMP connectors will also mate with GPO™ products; and the SMPM products mate with GPPO™ components.

The trademarks "GPO™" and "GPPO™" appearing in this catalog are trademarks of Corning Gilbert Inc.

## How to use this catalog

This catalog is designed to give you a general description of the broad selection of products manufactured by Aeroflex / Inmet. When used in conjunction with our web site, you can view, print, or download detailed data sheets for each product in PDF format. Each sheet contains an outline drawing, electrical and mechanical specifications, as well as part number examples. It's easy:

1. Simply log on to [www.aeroflex-inmet.com](http://www.aeroflex-inmet.com).
2. Along the bottom of the home page is a section titled "search Inmet products by category".
3. Point and click on the product category of interest.
4. Select from the various options on the this screen and you will be directed to a view identical to the page you see in this catalog for the same product.
5. Point and click on the model of interest and a data sheet in PDF format will appear. You may view, print or download this PDF file for future reference.

## RoHS Statement

All standard catalog products designed by Aeroflex / Inmet shipped after July 1, 2006 conform to the requirements as specified in the Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 and related Annex and Amendments on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS), with the exception of models 8812, 8820, and 8821 Bias Tees. For these models, please refer to the applicable data sheets found on our website. The information presented herein is believed to be accurate, reliable and is a result of review of numerous sources including vendor submitted data sheets and certifications.

Please note:

1. Equalizers are not considered standard catalog products for the purpose of this statement.
2. Some equalizer products may already be RoHS compliant. Please direct any questions to [inmet-sales@aeroflex.com](mailto:inmet-sales@aeroflex.com)
3. Non-compliant finished goods stock will be offered with a -701 designation added to the base model number. Please contact [inmet-sales@aeroflex.com](mailto:inmet-sales@aeroflex.com) for further details.

Updated to 01/22/08

In 1975 Inmet Corporation entered the microwave component manufacturing arena to provide quality, precision-made components at reasonable prices. Shortly thereafter, the company's ability to develop and build custom-made components for special applications was recognized, earning the company a reputation for innovative, custom design capabilities and an ever-expanding product line.

Today, Aeroflex / Inmet continues to concentrate on new product development. Realizing that buyers seek companies who continuously bring new entries to their lineups rather than resting on their laurels, the company is at the forefront in tackling new design tasks. Our talented engineers specialize in building custom components for a variety of different specifications. Besides developing the world's shortest coaxial attenuator (0.700" in length), we have developed many other connector components – Type F, 7/16, 1.85mm, 2.9mm, 2.4mm, SMP, and SMPM – for various applications. As technologies change and market demands continue to push for higher and higher frequency components for use in new applications, Aeroflex / Inmet continues to extend the frequency capability of its entire product line.

The company has built on its name recognition for quality coaxial components and is striving to become the world's number one source for coaxial attenuators. Our components currently operate in the DC to 65 GHz frequency range, and consist of a myriad of connector types, with power handling capabilities from 1 to 300 watts. Our lineup of 3,000 variations of coaxial products include:

- Attenuators and PowerAttenuators
- Terminations and PowerTerminations
- Bias Tees
- DC Blocks
- Equalizers (fixed and adjustable)
- Adapters
- Amplifiers
- Detectors

Aeroflex / Inmet also zeros in on the design and manufacture of specific multi-component hybrid products such as "between series attenuators," combination "DC block/attenuators or terminations," and "bias passing attenuators" for more complex and sophisticated applications.

Yet, an ongoing part of our specialized commitment to customers is our vast array of off-the-shelf products. These products offer quality, selection, and just-in-time delivery of precision-made broadband, microwave and wireless components to buyers around the world.

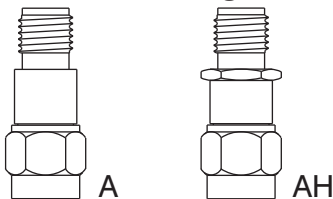


Earning the "preferred supplier" designation from many buyers, the company is well known for reducing costs of its products while maintaining "first class performance." Featuring "on-demand" inventory of hundreds of standard catalog items, they can be ready for same-day shipment or overnight delivery. In addition, a partnership with Richardson Electronics offers customers worldwide the convenience and support of a full-service global distributor.

Since becoming an active participant in the broadband, RF, microwave and wireless industries, "Inmet" has attracted the attention of many companies and investors in the electronics arena. In 1994, a newly formed enterprise, MCE Technologies acquired Inmet Corporation as the first of several companies manufacturing microwave components and subsystems. In 2003, MCE Technologies became a part of Aeroflex Microelectronics Solutions, a division of Aeroflex, a manufacturer of high performance test and measurement and microelectronic solutions for the aerospace, defense and broadband communications markets.

## Model A/AH SMA

SHORT: 0.86"  
Nominal Length



**Models 2A, 4A, 6A, 18A, 23A  
2AH, 4AH, 6AH, 18AH, 23AH**

Frequency Range..... DC to 23GHz  
Available Values..... 0-10, 12, 15, 20, 30dB  
Accuracy of Attenuation:  
0 through 6dB..... $\pm 0.3$ dB maximum  
7 through 20dB..... $\pm 0.5$ dB maximum  
21 through 30dB..... $\pm 0.75$ dB maximum  
VSWR:  
DC to 4GHz.....1.15:1 maximum  
4GHz to 8GHz.....1.20:1 maximum  
8GHz to 12.4GHz.....1.25:1 maximum  
12.4GHz to 18GHz.....1.35:1 maximum  
18GHz to 23GHz.....1.40:1 maximum

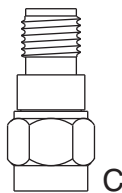
Overall length in inches

|     | 0-12dB        | 13-30dB        |
|-----|---------------|----------------|
| M/F | .86 $\pm$ .03 | .99 $\pm$ .03  |
| M/M | .98 $\pm$ .03 | 1.11 $\pm$ .03 |
| F/F | .87 $\pm$ .03 | 1.00 $\pm$ .03 |

Complete Specification Sheet Available

## Model C SMA

SHORTER: 0.76"  
Nominal Length



**Models 2C, 4C, 6C, 18C**

Frequency Range..... DC to 18GHz  
Available Values..... 0-10, 12, 15, 20, 30dB  
Accuracy of Attenuation:  
0 through 6dB..... $\pm 0.3$ dB maximum  
7 through 20dB..... $\pm 0.5$ dB maximum  
21 through 30dB..... $\pm 0.75$ dB maximum  
VSWR:  
DC to 4GHz.....1.15:1 maximum  
4GHz to 8GHz.....1.20:1 maximum  
8GHz to 12.4GHz.....1.25:1 maximum  
12.4GHz to 18GHz.....1.35:1 maximum

Overall length in inches

|     | 0-12dB        | 13-30dB       |
|-----|---------------|---------------|
| M/F | .76 $\pm$ .03 | .89 $\pm$ .03 |

Complete Specification Sheet Available

## Model DH SMA

SHORTEST: 0.70"  
Nominal Length



**Models 2DH, 6DH,  
18DH, 23DH**

Frequency Range..... DC to 23GHz  
Available Values..... 0-10, 12, 15, 20, 30, 40dB  
Accuracy of Attenuation:  
0 through 6dB..... $\pm 0.3$ dB maximum  
7 through 20dB..... $\pm 0.5$ dB maximum  
21 through 30dB..... $\pm 0.7$ dB maximum  
31 through 35dB..... $\pm 1.0$ dB maximum  
36 through 40dB..... $\pm 1.5$ dB maximum  
VSWR:  
DC to 4GHz.....1.15:1 maximum  
4GHz to 8GHz.....1.20:1 maximum  
8GHz to 12.4GHz.....1.25:1 maximum  
12.4GHz to 23GHz.....1.35:1 maximum

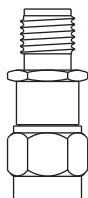
Overall length in inches

|     | 0-20dB        | 21-40dB       |
|-----|---------------|---------------|
| M/F | .70 $\pm$ .03 | .83 $\pm$ .03 |
| M/M | .76 $\pm$ .03 | .89 $\pm$ .03 |
| F/F | .64 $\pm$ .03 | .77 $\pm$ .03 |

Complete Specification Sheet Available

## Model AHC SMA

0.86"  
Nominal Length



**Model AHC**

Frequency Range..... DC to 6 GHz  
Available Values..... 0-10, 12, 15, 20, 30dB  
Accuracy of Attenuation:  
1 through 10dB..... $\pm 0.5$ dB maximum  
12, 15, 20dB..... $\pm 0.7$ dB maximum  
30dB..... $\pm 0.9$ dB maximum  
VSWR:  
DC to 6 GHz.....1.20:1 maximum

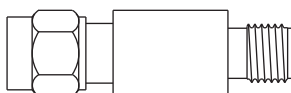
Overall length in inches

|     | 0-12dB        | 15/20/30dB    |
|-----|---------------|---------------|
| M/F | .86 $\pm$ .02 | .99 $\pm$ .02 |

Complete Specification Sheet Available

## Model B SMA

1.21"  
Nominal Length



**Models 2B, 6B, 12B, 18B**

Frequency Range..... DC to 18GHz  
Available Values..... 0-10, 12, 15, 20, 30, 40, 50, 60dB  
Accuracy of Attenuation:  
0 through 6dB..... $\pm 0.3$ dB maximum  
7 through 20dB..... $\pm 0.5$ dB maximum  
21 through 30dB..... $\pm 0.75$ dB maximum  
31 through 60dB..... $\pm 1.50$ dB maximum  
VSWR:  
DC to 4GHz.....1.15:1 maximum  
4GHz to 8GHz.....1.20:1 maximum  
8GHz to 12.4GHz.....1.25:1 maximum  
12.4GHz to 18GHz.....1.35:1 maximum

Overall length in inches

|     | 0-30 & 40dB    | 31-60dB        |
|-----|----------------|----------------|
| M/F | 1.21 $\pm$ .03 | 1.49 $\pm$ .03 |
| M/M | 1.33 $\pm$ .03 | 1.62 $\pm$ .03 |
| F/F | 1.06 $\pm$ .03 | 1.35 $\pm$ .03 |

Complete Specification Sheet Available

## 9000 Series General Purpose 18GHz SMA Attenuators

**Models 9023, 9024, 9025**

Available Values 0-10, 12, 15, 20, 30, 40, 50, 60dB  
Accuracy of Attenuation:  
0 through 12dB..... $\pm 0.75$ dB maximum  
13 through 20dB..... $\pm 1.00$ dB maximum  
21 through 40dB..... $\pm 1.50$ dB maximum  
41 through 60dB..... $\pm 2.00$ dB maximum

**Models 9026 through 9031**

Available Values..... 0-10, 12, 15, 20, 30dB  
Accuracy of Attenuation:  
0 through 12dB..... $\pm 0.75$ dB maximum  
13 through 20dB..... $\pm 1.00$ dB maximum  
21 through 30dB..... $\pm 1.50$ dB maximum  
VSWR: (All Models)  
DC to 4GHz.....1.20:1 maximum  
4GHz to 12.4GHz.....1.40:1 maximum  
12.4GHz to 18GHz.....1.60:1 maximum

Overall length in inches

|      |            |      |
|------|------------|------|
| 9023 | M/F no hex | 1.51 |
| 9024 | M/M no hex | 1.65 |
| 9025 | F/F no hex | 1.37 |
| 9026 | M/F no hex | 1.01 |
| 9027 | M/M no hex | 1.14 |
| 9028 | F/F no hex | 1.02 |
| 9029 | M/F w/hex  | 1.01 |
| 9030 | M/M w/hex  | 1.14 |
| 9031 | F/F w/hex  | 1.02 |

Complete Specification Sheet Available

## SMP, GPO™ Series



### Models 18G, 18P

Frequency Range.....DC to 18GHz  
Available Values.....0-12, 20 and 30dB  
Accuracy of Attenuation:  
1 through 6dB.....±0.4dB maximum  
7 through 12dB.....±0.6dB maximum  
20 and 30dB.....±0.8dB maximum  
VSWR:  
DC to 8GHz.....1.25:1 maximum  
8GHz to 18GHz.....1.35:1 maximum

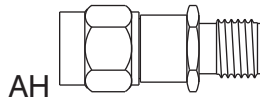
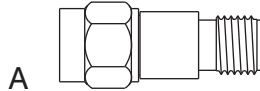
### Models 26G, 26P

Frequency Range.....DC to 26GHz  
Available Values.....0-12, 20 and 30dB  
Accuracy of Attenuation:  
DC-26.5GHz  
3 and 6dB.....±0.4  
10dB.....±0.6  
20 and 30dB.....±0.8  
VSWR:  
DC to 26.5GHz.....1.45:1 maximum

Note: GPO™ and SMP male connectors are available in full and limited detent.

Complete Specification Sheet Available

## High Frequency 2.9mm Series DC-26.5 GHz and DC-40 GHz



### MODELS 26A AND 26AH

Frequency Range.....DC to 26.5GHz  
Available Values.....0, 3, 6, 10, 20, 30dB  
VSWR:  
DC to 18GHz.....1.30:1 maximum  
18GHz to 26.5GHz.....1.40:1 maximum

### MODELS 40A, 40AH

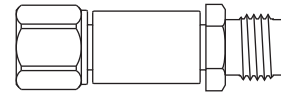
Frequency Range.....DC to 40GHz  
Available Values.....0, 3, 6, 10, 20, 30dB  
VSWR:  
DC to 40GHz.....1.40:1 maximum

### Overall length in inches

|     | 26.5GHz   | 0-12dB     | 13-30dB |
|-----|-----------|------------|---------|
| M/F | .88 ± .05 | 1.01 ± .05 |         |
|     | 40GHz     | 0-30dB     |         |
| M/F | .88 ± .05 |            |         |

Complete Specification Sheet Available

## High Frequency 2.4mm Series DC-40 GHz and DC-50 GHz

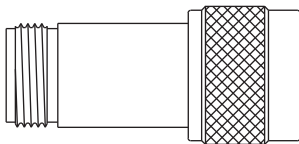


### Models 40EH and 50EH

Frequency Range.....DC to 50GHz  
Available Values.....0, 3, 6, 10, 20, 30dB  
Accuracy of Attenuation:  
DC - 26.5 GHz  
0 through 10dB.....±0.5dB maximum  
20 & 30dB.....±0.75dB maximum  
26.5 - 40 GHz  
0 through 10dB.....±1.0dB maximum  
20 & 30dB.....±1.25dB maximum  
40 - 50 GHz  
0 through 10dB.....±1.5dB maximum  
20 & 30dB.....±2.0dB maximum  
VSWR:  
DC to 26.5 GHz.....1.35:1 maximum  
26.5 to 40 GHz.....1.60:1 maximum  
40 to 50 GHz.....1.75:1 maximum

Complete Specification Sheet Available

## N Series (50 and 75 Ohms)



### 50 Ohms

#### Nickel Plated Brass

#### Models 9070

Frequency Range.....DC to 6GHz  
Available Values.....0-10, 12, 15, 20, 30, and 40 dB  
VSWR:  
DC to 2GHz.....1.25:1 maximum

### Stainless Steel Models 2N, 6N, 18N

Frequency Range.....DC to 18GHz  
Available Values.....0-10, 12, 15, 20, 30, 40, 50 and 60dB  
VSWR:  
DC to 4GHz.....1.15:1 maximum  
4GHz to 8GHz.....1.20:1 maximum  
8GHz to 12.4GHz.....1.25:1 maximum  
12.4GHz to 18GHz.....1.35:1 maximum

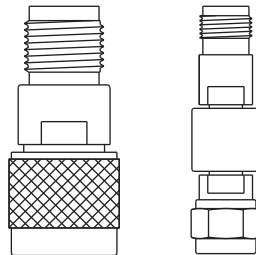
### 75 Ohms

#### Model 4N-XX/75

Frequency Range.....DC to 4GHz  
Available Values.....1, 2, 3, 6, 10, 20 and 30dB  
VSWR.....1.30:1 maximum

Complete Specification Sheet Available

## TNC Series



### Model 9036 (Nickel Plated Brass)

Frequency Range.....DC to 12.4GHz  
Available Values.....0-10, 12, 15, 20, 30 & 40dB

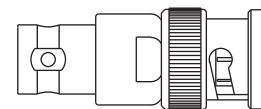
### Models 12T, 18T (Stainless Steel)

Frequency Range.....DC to 18GHz  
Available Values 0-10, 12, 15, 20, 30, 40, 50, 60dB  
Accuracy of Attenuation:  
0 through 6dB.....±0.3dB maximum  
7 through 20dB.....±0.5dB maximum  
30dB.....±0.75dB maximum  
40dB.....±1.0dB maximum  
50 & 60dB.....±1.50dB maximum\*  
VSWR:  
DC to 4GHz.....1.15:1 maximum  
4GHz to 8GHz.....1.20:1 maximum  
8GHz to 12.4GHz.....1.25:1 maximum  
12.4GHz to 18GHz.....1.35:1 maximum\*

\*12T and 18T only

Complete Specification Sheet Available

## BNC Series (50 and 75 Ohms)



### 50 Ohms

#### Model 9073

Frequency Range.....DC to 2GHz  
Available Values.....0-10, 12, 15, 20 & 30 dB  
Power.....1 Watt  
VSWR:  
DC to 2GHz.....1.20:1 maximum

#### Model 9033

Frequency Range.....DC to 4GHz  
Available Values.....0-10, 12, 15, 20, 30dB  
Power.....2 Watts  
VSWR:  
DC to 4GHz.....1.25:1 maximum

### 75 Ohms

#### Model 9033-XX/75

Frequency Range.....DC to 4GHz  
Available Values.....0, 3, 6, 10, 20 & 30dB  
Power.....2 Watts  
VSWR:  
DC to 1GHz.....1.10:1 maximum  
1GHz to 2GHz.....1.20:1 maximum  
2GHz to 4GHz.....1.35:1 maximum

Complete Specification Sheet Available



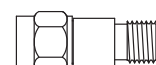
## Attenuators—Power Handling vs. Frequency vs. Connector Type

| GHz ►                       | DC-1.5 | DC-2.5 | DC-4 | DC-6 | DC-7.5 | DC-12.4 | DC-18 | DC-23 | DC-26.5 | DC-40 | DC-50 |
|-----------------------------|--------|--------|------|------|--------|---------|-------|-------|---------|-------|-------|
| <b>F 75Ω</b>                | 2W     | 2W     |      |      |        |         |       |       |         |       |       |
| <b>7/16</b>                 | 300W   | 300W   | 100W | 100W | 50W    |         |       |       |         |       |       |
| <b>BNC</b>                  | 300W   | 300W   | 100W |      |        |         |       |       |         |       |       |
| <b>N</b>                    | 300W   | 300W   | 100W | 100W | 50W    | 50W     | 50W   |       |         |       |       |
| <b>TNC</b>                  | 300W   | 300W   | 100W | 100W | 50W    | 50W     | 50W   |       |         |       |       |
| <b>SMA</b>                  | 300W   | 300W   | 100W | 100W | 50W    | 50W     | 50W   | 2W    |         |       |       |
| <b>SMB</b>                  | 2W     | 2W     | 2W   | 2W   |        |         |       |       |         |       |       |
| <b>2.9mm</b>                | 2W     | 2W     | 2W   | 2W   | 2W     | 2W      | 2W    | 2W    | 2W      | .5W   |       |
| <b>GPO<sup>TM</sup>/SMP</b> | 2W     | 2W     | 2W   | 2W   | 2W     | 2W      | 2W    | 2W    | 2W      |       |       |
| <b>2.4mm</b>                | .5W    | .5W    | .5W  | .5W  | .5W    | .5W     | .5W   | .5W   | .5W     | .5W   | .5W   |

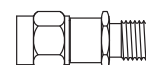
Power handling capabilities shown are MAXIMUM for the respective frequencies and connector types. Contact factory for specific lower power vs. frequency applications.

### MODEL NO. FREQ. (GHz) CONNECTOR VSWR ATTN (dB) *.5 Watt and 2 Watt Attenuators, SMA, General Purpose, 2.9mm, 2.4mm\**

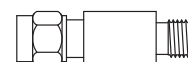
|                  |      |                   |        |                           |
|------------------|------|-------------------|--------|---------------------------|
| 2A, 2AH          | 2.5  | SMA-M/F, M/M, F/F | 1.15:1 | 0-10,12,15,20,30          |
| 2B               | 2.5  | SMA-M/F, M/M, F/F | 1.15:1 | 0-10,12,15,20,30,40,50,60 |
| 2C               | 2.5  | SMA-M/F           | 1.15:1 | 0-10,12,15,20,30          |
| 2DH              | 2.5  | SMA-M/F, M/M, F/F | 1.15:1 | 0-10,12,15,20,30,40       |
| 6A, 6AH          | 6    | SMA-M/F, M/M, F/F | 1.20:1 | 0-10,12,15,20,30          |
| AHC              | 6    | SMA-M/F           | 1.20:1 | 1-10,12,15,20,30          |
| 6B               | 6    | SMA-M/F, M/M, F/F | 1.20:1 | 0-10,12,15,20,30,40,50,60 |
| 6C               | 6    | SMA-M/F           | 1.20:1 | 0-10,12,15,20,30          |
| 6DH              | 6    | SMA-M/F, M/M, F/F | 1.20:1 | 0-10,12,15,20,30,40       |
| 18A, 18AH        | 18   | SMA-M/F, M/M, F/F | 1.35:1 | 0-10,12,15,20,30          |
| 9026, (Style A)  | 18   | SMA-M/F           | 1.60:1 | 0-10,12,15,20,30          |
| 9029, (Style AH) | 18   | SMA-M/F           | 1.60:1 | 0-10,12,15,20,30          |
| 18B              | 18   | SMA-M/F, M/M, F/F | 1.35:1 | 0-10,12,15,20,30,40,50,60 |
| 9023, (Style B)  | 18   | SMA-M/F           | 1.60:1 | 0-10,12,15,20,30,40,50,60 |
| 18C              | 18   | SMA-M/F           | 1.35:1 | 0-10,12,15,20,30          |
| 18DH             | 18   | SMA-M/F, M/M, F/F | 1.35:1 | 0-10,12,15,20,30,40       |
| 23A, 23AH        | 23   | SMA-M/F, M/M, F/F | 1.40:1 | 0-10,12,15,20,30          |
| 23DH             | 23   | SMA-M/F, M/M, F/F | 1.35:1 | 0-10,12,15,20,30          |
| 26AH             | 26.5 | 2.9mm-M/F         | 1.40:1 | 0,3,6,10,20,30            |
| 40AH (0.5W)      | 40   | 2.9mm-M/F         | 1.40:1 | 0,3,6,10,20,30            |
| 40EH (0.5W)      | 40   | 2.4mm-M/F         | 1.60:1 | 0,3,6,10,20,30            |
| 50EH (0.5W)      | 50   | 2.4mm-M/F         | 1.75:1 | 0,3,6,10,20,30            |
| 50V              | 50   | 1.85mm-M/F        | 1.75:1 | 3,6,10                    |



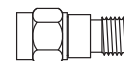
SMA-M/F, A



SMA-M/F, AH



SMA-M/F, B



SMA-M/F, C



SMA-M/F, DH



2.9mm-M/F, A



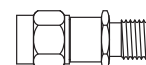
2.9mm-M/F, AH



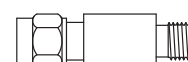
2.4mm-M/F, EH



SMA-M/F, A



SMA-M/F, AH



SMA-M/F, B

H=with Hex

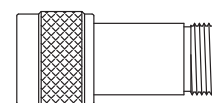
\* See pages 2 and 3 for more detailed specifications.

# Attenuator Reference Guide

MODEL NO. FREQ. (GHz) CONNECTOR VSWR ATTN (dB)

## 2 Watt Attenuators, N, BNC, SMB, TNC, GPO™, SMP

|                  |      |                   |        |                           |
|------------------|------|-------------------|--------|---------------------------|
| 9070, 9071, 9072 | 2.5  | N-M/F, M/M, F/F   | 1.25:1 | 0-10,12,15,20,30,40,50,60 |
| 2N               | 2.5  | N-M/F, M/M, F/F   | 1.15:1 | 0-10,12,15,20,30,40,50,60 |
| 6N               | 6    | N-M/F, M/M, F/F   | 1.20:1 | 0-10,12,15,20,30,40,50,60 |
| 18N              | 18   | N-M/F, M/M, F/F   | 1.35:1 | 0-10,12,15,20,30,40,50,60 |
| 9033             | 4    | BNC-M/F           | 1.25:1 | 0-10,12,15,20,30          |
| 9014             | 4    | BNC-M/F           | 1.25:1 | 40,50,60                  |
| 2051             | 12.4 | BNC-M/F           | 1.35:1 | 3,6,10,20,30              |
| 9056             | 4    | SMB-M/F, M/M, F/F | 1.20:1 | 0-10,12,15,20,30          |
| 9042             | 2.5  | TNC-M/F           | 1.25:1 | 0-10,12,15,20,30,40       |
| 9036             | 12.4 | TNC-M/F           | 1.25:1 | 0-10,12,15,20,30,40       |
| 18T              | 18   | TNC-M/F, M/M, F/F | 1.35:1 | 0-10,12,15,20,30,40,50,60 |
| 18G              | 18   | GPO-M/F, M/M, F/F | 1.35:1 | 0-12,20,30                |
| 26G              | 26.5 | GPO-M/F, M/M, F/F | 1.45:1 | 0-12,20,30                |
| 18P              | 18   | SMP-M/F, M/M, F/F | 1.35:1 | 0-12,20,30                |
| 26P              | 26.5 | SMP-M/F, M/M, F/F | 1.45:1 | 0-12,20,30                |



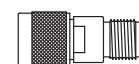
N-M/F



BNC-M/F



SMB-M/F



TNC-M/F, 9036



TNC-M/F



GPO™-M/F



SMP-M/F

Note: GPO™ and SMP male connectors are available in full and limited detent.

## 2 Watt 75 Ohm Attenuators

|          |   |                 |        |                  |
|----------|---|-----------------|--------|------------------|
| 3F       | 3 | F-M/F, M/M, F/F | 1.15:1 | 3,6,10,15,20,30  |
| 4N-XX/75 | 4 | N-M/F           | 1.30:1 | 1,2,3,6,10,20,30 |



F-M/F



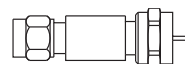
BNC-M/F

## 1 Watt Impedance Matching Pads (50 to 75 Ohm, 50 to 93 Ohm)

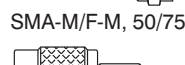
|            |     |           |        |     |
|------------|-----|-----------|--------|-----|
| 9033-50/75 | 1   | BNC-M/F   | 1.20:1 | 5.7 |
| 9033-75/50 | 1   | BNC-M/F   | 1.20:1 | 5.7 |
| 9033-50/93 | 0.1 | BNC-M/F   | 1.10:1 | 7.2 |
| 9033-93/50 | 0.1 | BNC-M/F   | 1.10:1 | 7.2 |
| 9070-50/75 | 3   | N-M/F     | 1.35:1 | 5.7 |
| 9070-75/50 | 3   | N-M/F     | 1.35:1 | 5.7 |
| 9076-50/75 | 3   | SMA-M/F-F | 1.25:1 | 5.7 |
| 9077-50/75 | 3   | N-M/F-F   | 1.25:1 | 5.7 |
| 9078-50/75 | 3   | BNC-M/F-F | 1.25:1 | 5.7 |
| 9079-50/75 | 3   | SMA-F/F-M | 1.25:1 | 5.7 |
| 9080-50/75 | 3   | SMA-M/F-M | 1.25:1 | 5.7 |
| 9082-50/75 | 3   | N-F/F-M   | 1.25:1 | 5.7 |
| 9083-50/75 | 3   | N-M/F-M   | 1.25:1 | 5.7 |
| 9084-50/75 | 3   | TNC-F/F-M | 1.25:1 | 5.7 |
| 9085-50/75 | 3   | TNC-M/F-M | 1.25:1 | 5.7 |
| 9086-50/75 | 3   | BNC-F/F-M | 1.25:1 | 5.7 |
| 9087-50/75 | 3   | BNC-M/F-M | 1.25:1 | 5.7 |
| 9088-50/75 | 3   | SMA-F/F-F | 1.25:1 | 5.7 |
| 9089-50/75 | 3   | N-F/F-F   | 1.25:1 | 5.7 |
| 9090-50/75 | 3   | BNC-F/F-F | 1.25:1 | 5.7 |
| 9091-50/75 | 3   | TNC-M/F-F | 1.25:1 | 5.7 |
| 9092-50/75 | 3   | TNC-F/F-F | 1.25:1 | 5.7 |



BNC-M/F, 50/75



SMA-F/F-F, 50/75



SMA-M/F-M, 50/75



N-F/F-M, 50/75



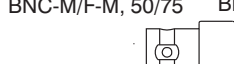
N-M/F-F, 50/75



BNC-M/F-M, 50/75



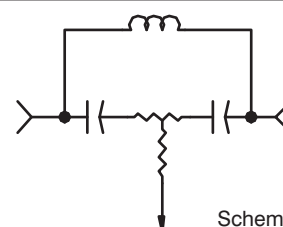
BNC-F/F-F, 50/75



TNC-M/F-F, 50/75

## 2 Watt DC Bias Passing RF Attenuators

|          |        |         |        |                             |
|----------|--------|---------|--------|-----------------------------|
| 9093-N   | 0.50-2 | N-M/F   | 1.35:1 | 4,6,10,15,20,25             |
| 9093-SMA | 0.50-2 | SMA-M/F | 1.35:1 | 4,6,10,15,20,25             |
| 9093-TNC | 0.50-2 | TNC-M/F | 1.35:1 | 4,6,10,15,20,25             |
| 9093-F   | 0.50-2 | F-M/F   | 75Ω    | 1.45:1 3,4,6,7,8,9,10,11,20 |
| 9095-N   | 0.05-3 | N-M/F   | 1.35:1 | 3,4,6,10,15,20,25           |
| 9095-SMA | 0.05-3 | SMA-M/F | 1.35:1 | 3,4,6,10,15,20,25           |
| 9095-TNC | 0.05-3 | TNC-M/F | 1.35:1 | 3,4,6,10,15,20,25           |



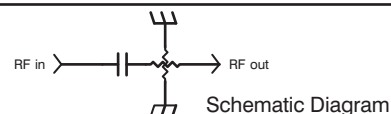
Schematic Diagram

# Attenuator Reference Guide

MODEL NO.    FREQ. (GHz)    CONNECTOR    VSWR    ATTN (dB)

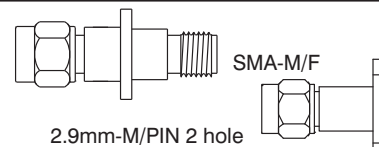
## 2 Watt DC Blocking Attenuators (Also See DC Block Section, page 19)

|          |        |                   |        |               |
|----------|--------|-------------------|--------|---------------|
| 8516S-XX | 0.01-2 | SMA-M/F, M/M, F/F | 1.15:1 | 0-10,12,15,20 |
|----------|--------|-------------------|--------|---------------|



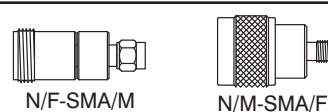
## 1 and 2 Watt Flange Mount Attenuators

|              |    |                    |        |                  |
|--------------|----|--------------------|--------|------------------|
| 2004         | 18 | SMA-M/F            | 1.35:1 | 0-10,12,15,20,30 |
| 2086K        | 18 | 2.9mm-F/PIN 4 hole | 1.50:1 | 0-12             |
| 2087K        | 18 | 2.9mm-M/PIN 4 hole | 1.50:1 | 0-12             |
| 2112F, 2112M | 18 | 2.9mm/PIN 2 hole   | 1.50:1 | 0-12             |



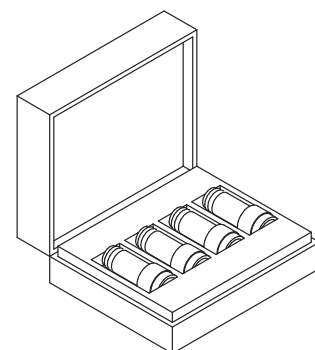
## Adapting Attenuators, Between Series

|      |    |           |        |               |
|------|----|-----------|--------|---------------|
| 2028 | 18 | N/M-SMA/M | 1.30:1 | 0-10,12,15,20 |
| 2029 | 18 | N/M-SMA/F | 1.30:1 | 0-10,12,15,20 |
| 2030 | 18 | N/F-SMA/M | 1.30:1 | 0-10,12,15,20 |
| 2031 | 18 | N/F-SMA/F | 1.30:1 | 0-10,12,15,20 |



## Calibrated Attenuator Sets

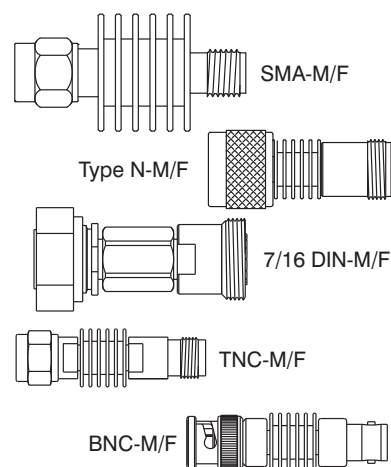
|      |        |       |                  |                |
|------|--------|-------|------------------|----------------|
| 9401 | 18     | N     |                  | 3,6,10,20      |
| 9402 | 12.4   | N     |                  | 3,6,10,20      |
| 9403 | 18     | SMA   | (A Style)        | 3,6,10,20      |
| 9404 | 12.4   | SMA   | (A Style)        | 3,6,10,20      |
| 9405 | 18     | N     |                  | 1,3,6,10,20,30 |
| 9406 | 12.4   | N     |                  | 1,3,6,10,20,30 |
| 9407 | 18     | SMA   | (A Style)        | 1,3,6,10,20,30 |
| 9408 | 12.4   | SMA   | (A Style)        | 1,3,6,10,20,30 |
| 9473 | 23     | SMA   | (DH Style)       | 1,3,6,10,20,30 |
| 9411 | 26.5   | 2.9mm | (A Style)        | 3,6,10,20      |
| 9412 | 26.5   | 2.9mm | (A Style)        | 1,3,6,10,20,30 |
| 9413 | (0.5W) | 40    | 2.9mm (A Style)  | 3,6,10,20      |
| 9414 | (0.5W) | 40    | 2.9mm (A Style)  | 1,3,6,10,20,30 |
| 9415 | (0.5W) | 40    | 2.4mm (EH Style) | 3,6,10,20      |
| 9416 | (0.5W) | 50    | 2.4mm (EH Style) | 3,6,10,20      |



Set 9401

## 5 Watt Attenuators, Convection Cooled

|        |     |                        |        |                     |
|--------|-----|------------------------|--------|---------------------|
| 6N5W   | 6   | N-M/F, M/M, F/F        | 1.20:1 | 0-12,15,20,30,40    |
| 18N5W  | 18  | N-M/F, M/M, F/F        | 1.35:1 | 0-10,12,15,20,30,40 |
| 4BNC5W | 4   | BNC-M/F, M/M, F/F      | 1.25:1 | 0-12,15,20,30,40    |
| 2D5W   | 2.5 | 7/16 DIN-M/F, M/M, F/F | 1.25:1 | 0-12,15,20,30,40    |
| 7D5W   | 7.5 | 7/16 DIN-M/F, M/M, F/F | 1.45:1 | 0-12,15,20,30,40    |
| 6B5W   | 6   | SMA-M/F, M/M, F/F      | 1.20:1 | 0-12,15,20,30,40    |
| 18B5W  | 18  | SMA-M/F, M/M, F/F      | 1.35:1 | 0-10,12,15,20,30,40 |
| 6T5W   | 6   | TNC-M/F, M/M, F/F      | 1.20:1 | 0-12,15,20,30,40    |
| 18T5W  | 18  | TNC-M/F, M/M, F/F      | 1.35:1 | 0-10,12,15,20,30,40 |



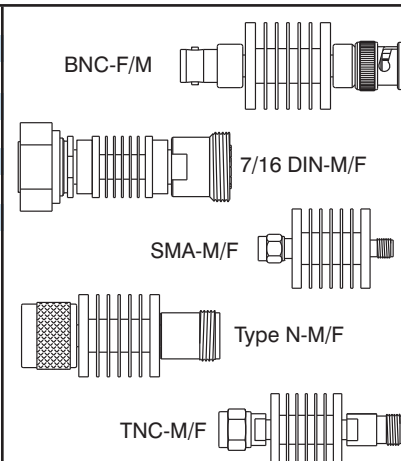


# Attenuator Reference Guide

MODEL NO.    FREQ. (GHz)    CONNECTOR    VSWR    ATTN (dB)

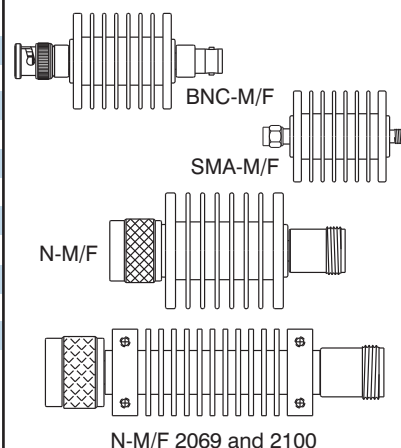
## 10 Watt Attenuators, Convection Cooled

|         |     |                         |        |                  |
|---------|-----|-------------------------|--------|------------------|
| 6B10W   | 6   | SMA-M/F, M/M, F/F       | 1.20:1 | 0-10,12,20,30,40 |
| 18B10W  | 18  | SMA-M/F, M/M, F/F       | 1.40:1 | 0-10,12,20,30,40 |
| 6N10W   | 6   | N-M/F, M/M, F/F         | 1.20:1 | 0-10,12,20,30,40 |
| 18N10W  | 18  | N-M/F, M/M, F/F         | 1.40:1 | 0-10,12,20,30,40 |
| 4BNC10W | 4   | BNC-M/F, M/M, F/F       | 1.25:1 | 0-10,12,15,20,30 |
| 6T10W   | 6   | TNC-M/F, M/M, F/F       | 1.20:1 | 0-10,12,20,30,40 |
| 18T10W  | 18  | TNC-M/F, M/M, F/F       | 1.40:1 | 0-10,12,20,30,40 |
| 2D10W   | 2.5 | 7/16 DIN, M/F, M/M, F/F | 1.25:1 | 0-10,12,20,30,40 |
| 7D10W   | 7.5 | 7/16 DIN-M/F, M/M, F/F  | 1.45:1 | 0-10,12,20,30,40 |



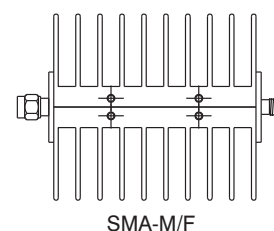
## 20 Watt Attenuators, Convection Cooled

|                       |     |                        |        |                   |
|-----------------------|-----|------------------------|--------|-------------------|
| 6B20W                 | 6   | SMA-M/F, M/M, F/F      | 1.20:1 | 0,3,6,10,20,30,40 |
| 18B20W                | 18  | SMA-M/F, M/M, F/F      | 1.40:1 | 0,3,6,10,20,30,40 |
| 2099 w/mounting holes | 18  | SMA-M/F, M/M, F/F      | 1.40:1 | 0,3,6,10,20,30,40 |
| 2044                  | 4   | N-M/F                  | 1.15:1 | 0-10, 20, 30      |
| 6N20W                 | 6   | N-M/F, M/M, F/F        | 1.20:1 | 0,3,6,10,20,30,40 |
| 2100 w/mounting holes | 18  | N-M/F, M/M, F/F        | 1.40:1 | 0,3,6,10,20,30,40 |
| 18N20W                | 18  | N-M/F, M/M, F/F        | 1.40:1 | 0,3,6,10,20,30,40 |
| 4BNC20W               | 4   | BNC-M/F, M/M, F/F      | 1.25:1 | 0,3,6,10,20,30,40 |
| 6T20W                 | 6   | TNC-M/F, M/M, F/F      | 1.20:1 | 0,3,6,10,20,30,40 |
| 18T20W                | 18  | TNC-M/F, M/M, F/F      | 1.40:1 | 0,3,6,10,20,30,40 |
| 2D20W                 | 2.5 | 7/16 DIN-M/F, M/M, F/F | 1.25:1 | 0,3,6,10,20,30,40 |
| 7D20W                 | 7.5 | 7/16 DIN-M/F, M/M, F/F | 1.45:1 | 0,3,6,10,20,30,40 |



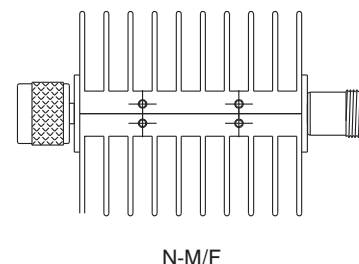
## 25 Watt Attenuators, Convection Cooled

|         |     |                        |        |                   |
|---------|-----|------------------------|--------|-------------------|
| 6B25W   | 6   | SMA-M/F, M/M, F/F      | 1.20:1 | 0,3,6,10,20,30,40 |
| 18B25W  | 18  | SMA-M/F, M/M, F/F      | 1.40:1 | 0,3,6,10,20,30,40 |
| 6N25W   | 6   | N-M/F, M/M, F/F        | 1.20:1 | 0,3,6,10,20,30,40 |
| 18N25W  | 18  | N-M/F, M/M, F/F        | 1.40:1 | 0,3,6,10,20,30,40 |
| 2D25W   | 2.5 | 7/16 DIN-M/F, M/M, F/F | 1.25:1 | 0,3,6,10,20,30,40 |
| 7D25W   | 7.5 | 7/16 DIN-M/F, M/M, F/F | 1.45:1 | 0,3,6,10,20,30,40 |
| 4BNC25W | 4   | BNC-M/F, M/M, F/F      | 1.25:1 | 0,3,6,10,20,30,40 |
| 6T25W   | 6   | TNC-M/F, M/M, F/F      | 1.20:1 | 0,3,6,10,20,30,40 |
| 18T25W  | 18  | TNC-M/F, M/M, F/F      | 1.40:1 | 0,3,6,10,20,30,40 |



## 50 Watt Attenuators, Convection Cooled

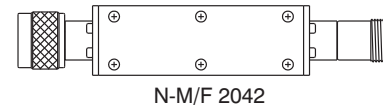
|         |     |                        |        |                   |
|---------|-----|------------------------|--------|-------------------|
| 6B50W   | 6   | SMA-M/F, M/M, F/F      | 1.25:1 | 0,3,6,10,20,30,40 |
| 18B50W  | 18  | SMA-M/F, M/M, F/F      | 1.45:1 | 0,3,6,10,20,30,40 |
| 6N50W   | 6   | N-M/F, M/M, F/F        | 1.25:1 | 0,3,6,10,20,30,40 |
| 18N50W  | 18  | N-M/F, M/M, F/F        | 1.45:1 | 0,3,6,10,20,30,40 |
| 2D50W   | 2.5 | 7/16 DIN-M/F, M/M, F/F | 1.25:1 | 0,3,6,10,20,30,40 |
| 7D50W   | 7.5 | 7/16 DIN-M/F, M/M, F/F | 1.45:1 | 0,3,6,10,20,30,40 |
| 4BNC50W | 4   | BNC-M/F, M/M, F/F      | 1.25:1 | 0,3,6,10,20,30,40 |
| 6T50W   | 6   | TNC-M/F, M/M, F/F      | 1.25:1 | 0,3,6,10,20,30,40 |
| 18T50W  | 18  | TNC-M/F, M/M, F/F      | 1.45:1 | 0,3,6,10,20,30,40 |



MODEL NO.    FREQ. (GHz)    CONNECTOR    VSWR    ATTN (dB)

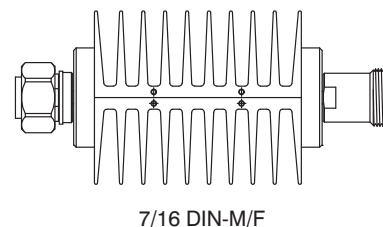
## 50 Watt Attenuators, Conduction Cooled

|       |    |                   |        |                 |
|-------|----|-------------------|--------|-----------------|
| 2042  | 4  | N-M/F, M/M, F/F   | 1.25:1 | 3,6,10,20,30,40 |
| 2042S | 4  | SMA-M/F, M/M, F/F | 1.25:1 | 3,6,10,20,30,40 |
| 9037  | 18 | SMA-M/F, M/M, F/F | 1.45:1 | 3,6,10,20,30,40 |
| 2042T | 4  | TNC-M/F, M/M, F/F | 1.25:1 | 3,6,10,20,30,40 |



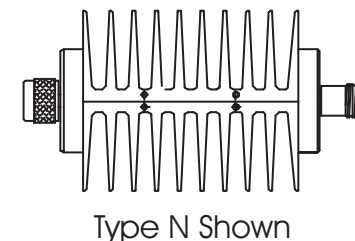
## 100 Watt Attenuators, Convection Cooled

|          |     |                        |        |                 |
|----------|-----|------------------------|--------|-----------------|
| 2B100W   | 2.5 | SMA-M/F, M/M, F/F      | 1.35:1 | 3,6,10,20,30,40 |
| 6B100W   | 6   | SMA-M/F, M/M, F/F      | 1.45:1 | 3,6,10,20,30,40 |
| 2N100W   | 2.5 | N-M/F, M/M, F/F        | 1.35:1 | 3,6,10,20,30,40 |
| 6N100W   | 6   | N-M/F, M/M, F/F        | 1.45:1 | 3,6,10,20,30,40 |
| 2BNC100W | 2.5 | BNC-M/F, M/M, F/F      | 1.35:1 | 3,6,10,20,30,40 |
| 2T100W   | 2.5 | TNC-M/F, M/M, F/F      | 1.35:1 | 3,6,10,20,30,40 |
| 6T100W   | 6   | TNC-M/F, M/M, F/F      | 1.45:1 | 3,6,10,20,30,40 |
| 2D100W   | 2.5 | 7/16 DIN-M/F, M/M, F/F | 1.35:1 | 3,6,10,20,30,40 |
| 6D100W   | 6   | 7/16 DIN-M/F, M/M, F/F | 1.45:1 | 3,6,10,20,30,40 |



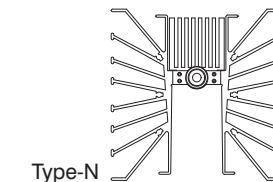
## 150 Watt Attenuators, Convection Cooled

|        |     |          |        |                 |
|--------|-----|----------|--------|-----------------|
| 2B150W | 2.5 | SMA      | 1.25:1 | 3,6,10,20,30,40 |
| 4B150W | 4   | SMA      | 1.35:1 | 3,6,10,20,30,40 |
| 2N150W | 2.5 | N        | 1.25:1 | 3,6,10,20,30,40 |
| 4N150W | 4   | N        | 1.35:1 | 3,6,10,20,30,40 |
| 2D150W | 2.5 | 7/16 DIN | 1.30:1 | 3,6,10,20,30,40 |
| 4D150W | 4   | 7/16 DIN | 1.40:1 | 3,6,10,20,30,40 |
| 2T150W | 2.5 | TNC      | 1.25:1 | 3,6,10,20,30,40 |
| 4T150W | 4   | TNC      | 1.35:1 | 3,6,10,20,30,40 |



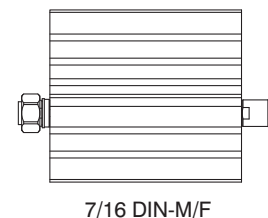
## 200 Watt Attenuators, Convection Cooled

|        |     |                        |        |                 |
|--------|-----|------------------------|--------|-----------------|
| 2B200W | 2.5 | SMA-M/F, M/M, F/F      | 1.25:1 | 3,6,10,20,30,40 |
| 4B200W | 4   | SMA-M/F, M/M, F/F      | 1.50:1 | 3,6,10,20,30,40 |
| 2N200W | 2.5 | N-M/F, M/M, F/F        | 1.25:1 | 3,6,10,20,30,40 |
| 4N200W | 4   | N-M/F, M/M, F/F        | 1.50:1 | 3,6,10,20,30,40 |
| 2T200W | 2.5 | TNC-M/F, M/M, F/F      | 1.25:1 | 3,6,10,20,30,40 |
| 4T200W | 4   | TNC-M/F, M/M, F/F      | 1.50:1 | 3,6,10,20,30,40 |
| 2D200W | 2.5 | 7/16 DIN-M/F, M/M, F/F | 1.25:1 | 3,6,10,20,30,40 |
| 4D200W | 4   | 7/16 DIN-M/F, M/M, F/F | 1.50:1 | 3,6,10,20,30,40 |



## 300 Watt Attenuators, Convection Cooled

|        |     |                        |        |                 |
|--------|-----|------------------------|--------|-----------------|
| 2B300W | 2.5 | SMA-M/F, M/M, F/F      | 1.25:1 | 3,6,10,20,30,40 |
| 4B300W | 4   | SMA-M/F, M/M, F/F      | 1.50:1 | 3,6,10,20,30,40 |
| 2N300W | 2.5 | N-M/F, M/M, F/F        | 1.25:1 | 3,6,10,20,30,40 |
| 4N300W | 4   | N-M/F, M/M, F/F        | 1.50:1 | 3,6,10,20,30,40 |
| 2T300W | 2.5 | TNC-M/F, M/M, F/F      | 1.25:1 | 3,6,10,20,30,40 |
| 4T300W | 4   | TNC-M/F, M/M, F/F      | 1.50:1 | 3,6,10,20,30,40 |
| 2D300W | 2.5 | 7/16 DIN-M/F, M/M, F/F | 1.25:1 | 3,6,10,20,30,40 |
| 4D300W | 4   | 7/16 DIN-M/F, M/M, F/F | 1.50:1 | 3,6,10,20,30,40 |



# Termination Reference Guide

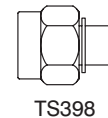
## Terminations—Power Handling vs. Frequency vs. Connector Type

| GHz ►          | DC-1 | DC-2 | DC-3 | DC-4 | DC-6 | DC-7.5 | DC-12.4 | DC-18 | DC-23 | DC-26.5 | DC-40 | DC-50 |
|----------------|------|------|------|------|------|--------|---------|-------|-------|---------|-------|-------|
| <b>F</b>       | 2W   | 2W   | 2 W  |      |      |        |         |       |       |         |       |       |
| <b>7/16</b>    | 300W | 300W | 300W | 100W | 100W | 50W    |         |       |       |         |       |       |
| <b>BNC</b>     | 300W | 300W | 300W | 50W  |      |        |         |       |       |         |       |       |
| <b>N</b>       | 300W | 300W | 300W | 100W | 100W | 50W    | 50W     | 50W   |       |         |       |       |
| <b>TNC</b>     | 300W | 300W | 300W | 100W | 100W | 50W    | 50W     | 50W   |       |         |       |       |
| <b>SMA</b>     | 300W | 300W | 300W | 100W | 100W | 50W    | 50W     | 50W   | 2W    | 1W      |       |       |
| <b>SMB</b>     | 1W   | 1W   | 1W   | 1W   | 1W   |        |         |       |       |         |       |       |
| <b>2.9mm</b>   | 2W   | 2W   | 2W   | 2W   | 2W   | 2W     | 2W      | 2W    | 2W    | 2W      | .5W   |       |
| <b>GPO/SMP</b> | 1W   | 1W   | 1W   | 1W   | 1W   | 1W     | 1W      | 1W    | 1W    | 1W      |       |       |
| <b>SMPM</b>    | .5W  | .5W  | .5W  | .5W  | .5W  | .5W    | .5W     | .5W   | .5W   | .5W     | .5W   | .5W   |
| <b>2.4mm</b>   | .5W  | .5W  | .5W  | .5W  | .5W  | .5W    | .5W     | .5W   | .5W   | .5W     | .5W   | .5W   |

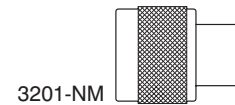
MODEL NO. FREQ. (GHz) CONNECTOR VSWR

### 1 and 2 Watt Ultra Low Cost Terminations

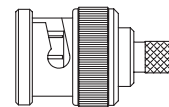
|           |      |     |               |        |
|-----------|------|-----|---------------|--------|
| TS398M    | (1W) | 2.5 | SMA-M         | 1.15:1 |
| 3201-NM   |      | 1   | N-M           | 1.05:1 |
| 3202-NM   |      | 2.5 | N-M           | 1.10:1 |
| 3204-NM   |      | 4   | N-M           | 1.10:1 |
| 3201-BNCM |      | 1   | BNC-M         | 1.10:1 |
| 3202-BNCM |      | 2.5 | BNC-M         | 1.20:1 |
| 3204-BNCM |      | 4   | BNC-M         | 1.35:1 |
| 3201-TNCM |      | 1   | TNC-M         | 1.05:1 |
| 3202-TNCM |      | 2.5 | TNC-M         | 1.15:1 |
| 3204-TNCM |      | 4   | TNC-M         | 1.15:1 |
| 3201-SMBP |      | 1   | SMBP (Pin)    | 1.10:1 |
| 3202-SMBP |      | 2   | SMBP (Pin)    | 1.15:1 |
| 3204-SMBP |      | 4   | SMBP (Pin)    | 1.20:1 |
| 3206-SMBP |      | 6   | SMBP (Pin)    | 1.25:1 |
| 3201-SMBS |      | 1   | SMBS (Socket) | 1.10:1 |
| 3202-SMBS |      | 2   | SMBS (Socket) | 1.15:1 |
| 3204-SMBS |      | 4   | SMBS (Socket) | 1.20:1 |
| 3206-SMBS |      | 6   | SMBS (Socket) | 1.25:1 |



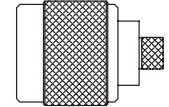
TS398



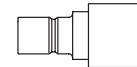
3201-NM



3201-BNCM



3201-TNCM



3201-SMBP



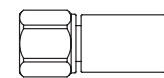
3201-SMBS

### .5Watt and 1 Watt Terminations

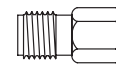
|            |        |      |                  |        |
|------------|--------|------|------------------|--------|
| 3016A-137* |        | 3    | SMA-M            | 1.20:1 |
| 3016A-067* |        | 6    | SMA-M            | 1.10:1 |
| TS060*     |        | 6    | SMA-M, SMA-F     | 1.10:1 |
| TS120*     |        | 12.4 | SMA-M, SMA-F     | 1.15:1 |
| 3016A*     |        | 18   | SMA-M            | 1.30:1 |
| TS180*     |        | 18   | SMA-M, SMA-F     | 1.20:1 |
| TS260*     |        | 26.5 | SMA-M, SMA-F     | 1.25:1 |
| TP180      | (1.0W) | 18   | SMP-M, SMP-F     | 1.20:1 |
| TP260      | (1.0W) | 26.5 | SMP-M, SMP-F     | 1.30:1 |
| TG180      | (1.0W) | 18   | GPO-M, GPO-F     | 1.21:1 |
| TG260      | (1.0W) | 26.5 | GPO-M, GPO-F     | 1.30:1 |
| TS400*     | (0.5W) | 40   | 2.9mm-M, 2.9mm-F | 1.20:1 |
| TS400H*    | (0.5W) | 40   | 2.9mm-M, 2.9mm-F | 1.20:1 |
| TE400*     | (0.5W) | 40   | 2.4mm-M, 2.4mm-F | 1.40:1 |
| TE500*     | (0.5W) | 50   | 2.4mm-M, 2.4mm-F | 1.60:1 |



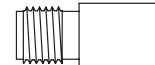
SMA-M



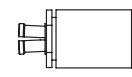
2.4mm-M



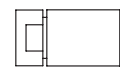
SMA-F



2.9mm-F



GPO™-F



SMP-M



SMP-F

\*With chain, add suffix "C"

Note: G and P models are full detent, GL and PL models are limited detent

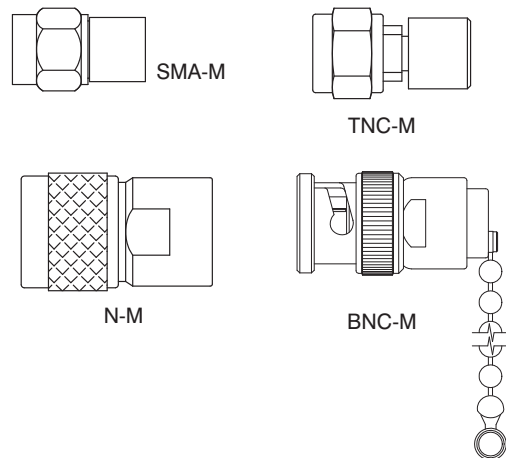
MODEL NO.    FREQ. (GHz)    CONNECTOR    VSWR

## 2 Watt Terminations

|              |      |                  |              |
|--------------|------|------------------|--------------|
| 3029*        | 4    | BNC-F            | 1.15:1       |
| 3038*        | 4    | BNC-M            | 1.20:1       |
| 3030*        | 4    | BNC-M            | 1.15:1       |
| 3004-067*    | 6    | SMA-M, SMA-F     | 1.20:1       |
| 3004*        | 18   | SMA-M, SMA-F     | 1.30:1       |
| 3070-067*    | 6    | N-M, N-F         | Brass 1.10:1 |
| TN060*       | 6    | N-M, N-F         | 1.15:1       |
| TN120*       | 12.4 | N-M, N-F         | 1.20:1       |
| TN180*       | 18   | N-M, N-F         | 1.25:1       |
| 3018, 3033*  | 18   | N-M, N-F         | Brass 1.30:1 |
| 3070*        | 18   | N-M, N-F         | Brass 1.20:1 |
| 3101*, 3102* | 18   | N-M, N-F         | 1.06:1       |
| TT060*       | 6    | TNC-M, TNC-F     | 1.15:1       |
| TT120*       | 12.4 | TNC-M, TNC-F     | 1.20:1       |
| 3069*        | 12.4 | TNC-M, TNC-F     | Brass 1.15:1 |
| TT180*       | 18   | TNC-M, TNC-F     | 1.25:1       |
| TK260        | 26.5 | 2.9mm-M, 2.9mm-F | 1.40:1       |

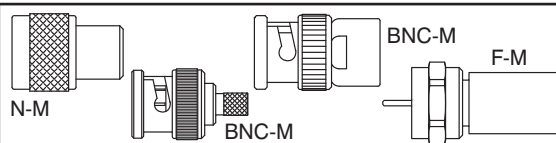
\*With chain, add suffix "C"

H=with Hex



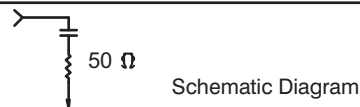
## 75 Ohm 1 and 2 Watt Terminations

|              |   |          |        |
|--------------|---|----------|--------|
| 3038/75 (1W) | 1 | BNC-M    | 1.10:1 |
| 3201-BNCM/75 | 1 | BNC-M    | 1.15:1 |
| TF030M       | 3 | F-M      | 1.20:1 |
| TF030F       | 3 | F-F      | 1.20:1 |
| TN040/75     | 4 | N-M, N-F | 1.25:1 |



## 1 Watt DC Blocking Terminations (Also See DC Block Section, page 19)

|          |            |        |       |
|----------|------------|--------|-------|
| 8530S    | 30 kHz-18  | SMA    | INNER |
| 8530N    | 30 kHz-23  | N      | INNER |
| 8530P    | 30 kHz-23  | SMP    | INNER |
| 8541-MPF | 100 kHz-50 | SMPM-M | INNER |



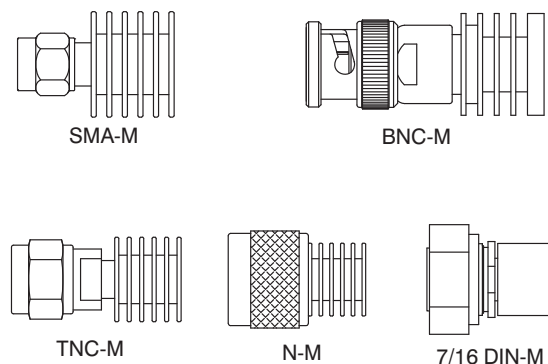
## 2 Watt Terminations, Feedthru

|             |     |         |        |
|-------------|-----|---------|--------|
| 3032        | 0.5 | BNC-M/F | 1.25:1 |
| 3088        | 0.5 | N-M/F   | 1.65:1 |
| 3008, 3008H | 1   | SMA-M/F | 1.25:1 |
| 3009, 3009H | 1   | SMA-M/M | 1.25:1 |
| 3010, 3010H | 1   | SMA-F/F | 1.25:1 |



## 5 Watt Terminations

|          |      |                        |              |
|----------|------|------------------------|--------------|
| TB020-5W | 2.5  | BNC-M, BNC-F           | 1.25:1       |
| 3132     | 2.5  | BNC-M, BNC-F           | 1.25:1       |
| TB040-5W | 4    | BNC-M, BNC-F           | 1.25:1       |
| 3134     | 4    | BNC-M, BNC-F           | 1.25:1       |
| TD020-5W | 2.5  | 7/16 DIN-M, 7/16 DIN-F | 1.25:1       |
| TD040-5W | 4    | 7/16 DIN-M, 7/16 DIN-F | 1.25:1       |
| TD075-5W | 7.5  | 7/16 DIN-M, 7/16 DIN-F | 1.45:1       |
| 3073D    | 7.5  | 7/16 DIN-M, 7/16 DIN-F | 1.45:1       |
| TS060-5W | 6    | SMA-M, SMA-F           | 1.15:1       |
| 3073XX   | 12.4 | SMA, N, TNC            | 1.20:1       |
| TS120-5W | 12.4 | SMA-M, SMA-F           | 1.20:1       |
| TS180-5W | 18   | SMA-M, SMA-F           | 1.25:1       |
| TN060-5W | 6    | N-M, N-F               | 1.25:1       |
| TN120-5W | 12.4 | N-M, N-F               | 1.20:1       |
| TN180-5W | 18   | N-M, N-F               | 1.25:1       |
| 3018-5W  | 18   | N-M                    | Brass 1.30:1 |
| 3033-5W  | 18   | N-F                    | Brass 1.30:1 |
| TT060-5W | 6    | TNC-M, TNC-F           | 1.15:1       |
| TT120-5W | 12.4 | TNC-M, TNC-F           | 1.20:1       |
| TT180-5W | 18   | TNC-M, TNC-F           | 1.25:1       |



# Termination Reference Guide

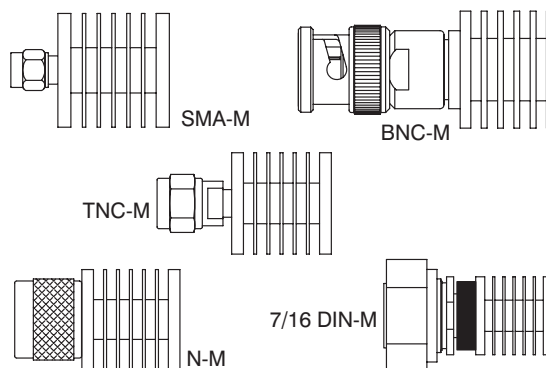
MODEL NO.      FREQ. (GHz)      CONNECTOR      VSWR

## 10 Watt Termination, Conduction Cooled

|       |     |       |        |
|-------|-----|-------|--------|
| 3706F | 2.5 | SMA-F | 1.15:1 |
|-------|-----|-------|--------|

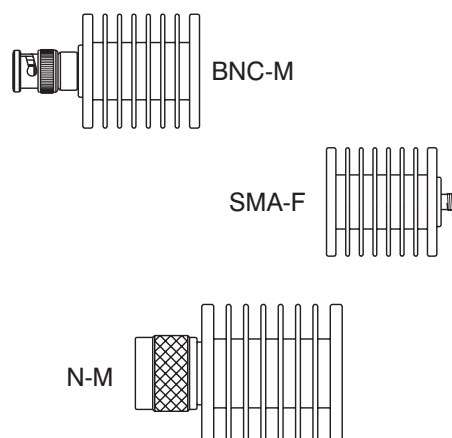
## 10 Watt Terminations, Convection Cooled

|           |      |                        |        |
|-----------|------|------------------------|--------|
| TB020-10W | 2.5  | BNC-M, BNC-F           | 1.25:1 |
| 3142      | 2.5  | BNC-M, BNC-F           | 1.25:1 |
| TB040-10W | 4    | BNC-M, BNC-F           | 1.25:1 |
| 3144      | 4    | BNC-M, BNC-F           | 1.25:1 |
| TD020-10W | 2.5  | 7/16 DIN-M, 7/16 DIN-F | 1.20:1 |
| TD040-10W | 4    | 7/16 DIN-M, 7/16 DIN-F | 1.20:1 |
| TD075-10W | 7.5  | 7/16 DIN-M, 7/16 DIN-F | 1.30:1 |
| TS060-10W | 6    | SMA-M, SMA-F           | 1.20:1 |
| TS120-10W | 12.4 | SMA-M, SMA-F           | 1.30:1 |
| TS180-10W | 18   | SMA-M, SMA-F           | 1.40:1 |
| 3050      | 18   | SMA-M, SMA-F           | 1.35:1 |
| 3093      | 12.4 | N-M, N-F               | 1.25:1 |
| TN060-10W | 6    | N-M, N-F               | 1.25:1 |
| TN120-10W | 12.4 | N-M, N-F               | 1.30:1 |
| TN180-10W | 18   | N-M, N-F               | 1.35:1 |
| TT060-10W | 6    | TNC-M, TNC-F           | 1.20:1 |
| TT120-10W | 12.4 | TNC-M, TNC-F           | 1.30:1 |
| TT180-10W | 18   | TNC-M, TNC-F           | 1.40:1 |



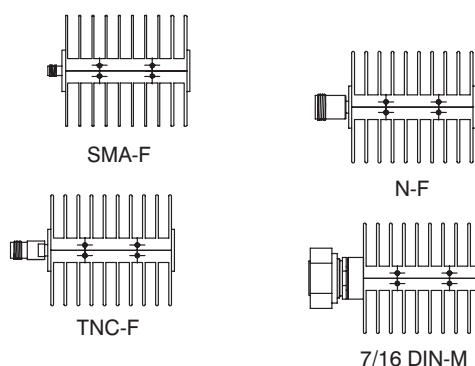
## 20 Watt Terminations, Convection Cooled

|           |      |                        |        |
|-----------|------|------------------------|--------|
| TS020-20W | 2.5  | SMA-M, SMA-F           | 1.20:1 |
| TS060-20W | 6    | SMA-M, SMA-F           | 1.20:1 |
| TS120-20W | 12.4 | SMA-M, SMA-F           | 1.30:1 |
| TS180-20W | 18   | SMA-M, SMA-F           | 1.40:1 |
| TN020-20W | 2.5  | N-M, N-F               | 1.20:1 |
| TN060-20W | 6    | N-M, N-F               | 1.20:1 |
| TN120-20W | 12.4 | N-M, N-F               | 1.30:1 |
| TN180-20W | 18   | N-M, N-F               | 1.40:1 |
| 3047M     | 18   | N-M                    | 1.20:1 |
| TB020-20W | 2.5  | BNC-M, BNC-F           | 1.25:1 |
| TB040-20W | 4    | BNC-M, BNC-F           | 1.25:1 |
| TT020-20W | 2.5  | TNC-M, TNC-F           | 1.20:1 |
| TT060-20W | 6    | TNC-M, TNC-F           | 1.20:1 |
| TT120-20W | 12.4 | TNC-M, TNC-F           | 1.30:1 |
| TT180-20W | 18   | TNC-M, TNC-F           | 1.40:1 |
| TD020-20W | 2.5  | 7/16 DIN-M, 7/16 DIN-F | 1.25:1 |
| TD040-20W | 4    | 7/16 DIN-M, 7/16 DIN-F | 1.25:1 |
| TD080-20W | 7.5  | 7/16 DIN-M, 7/16 DIN-F | 1.45:1 |



## 25 Watt Terminations, Convection Cooled

|           |      |                        |        |
|-----------|------|------------------------|--------|
| TD020-25W | 2.5  | 7/16 DIN-M, 7/16 DIN-F | 1.20:1 |
| TD040-25W | 4    | 7/16 DIN-M, 7/16 DIN-F | 1.20:1 |
| TD075-25W | 7.5  | 7/16 DIN-M, 7/16 DIN-F | 1.30:1 |
| 3112-XX   | 18   | 7/16 DIN, SMA, TNC, N  | 1.50:1 |
| TS060-25W | 6    | SMA-M, SMA-F           | 1.20:1 |
| TS120-25W | 12.4 | SMA-M, SMA-F           | 1.30:1 |
| TS180-25W | 18   | SMA-M, SMA-F           | 1.40:1 |
| TN060-25W | 6    | N-M, N-F               | 1.20:1 |
| TN120-25W | 12.4 | N-M, N-F               | 1.30:1 |
| TN180-25W | 18   | N-M, N-F               | 1.40:1 |
| TT060-25W | 6    | TNC-M, TNC-F           | 1.20:1 |
| TT120-25W | 12.4 | TNC-M, TNC-F           | 1.30:1 |
| TT180-25W | 18   | TNC-M, TNC-F           | 1.40:1 |



## 40 Watt Termination, Convection Cooled

|       |      |              |        |
|-------|------|--------------|--------|
| 3114S | 12.4 | SMA-M, SMA-F | 1.35:1 |
|-------|------|--------------|--------|



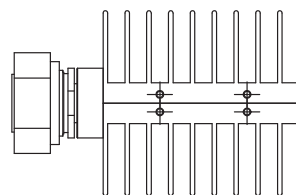
MODEL NO.    FREQ. (GHz)    CONNECTOR    VSWR

## 50 Watt Termination, Conduction Cooled

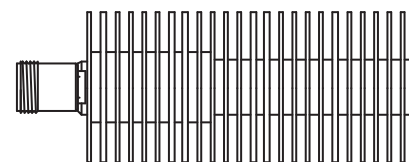
|      |    |              |        |
|------|----|--------------|--------|
| 3060 | 18 | SMA-M, SMA-F | 1.45:1 |
|------|----|--------------|--------|

## 50 Watt Terminations, Convection Cooled

|           |      |                        |        |
|-----------|------|------------------------|--------|
| TS060-50W | 6    | SMA-M, SMA-F           | 1.25:1 |
| TS120-50W | 12.4 | SMA-M, SMA-F           | 1.35:1 |
| TS180-50W | 18   | SMA-M, SMA-F           | 1.45:1 |
| TN060-50W | 6    | N-M, N-F               | 1.25:1 |
| TN120-50W | 12.4 | N-M, N-F               | 1.35:1 |
| 3114N     | 12.4 | N-M, N-F               | 1.35:1 |
| TN180-50W | 18   | N-M, N-F               | 1.45:1 |
| TB020-50W | 2.5  | BNC-M, BNC-F           | 1.25:1 |
| TB040-50W | 4    | BNC-M, BNC-F           | 1.25:1 |
| 3114B     | 4    | BNC-M, BNC-F           | 1.25:1 |
| TD020-50W | 2.5  | 7/16 DIN-M, 7/16 DIN-F | 1.25:1 |
| TD040-50W | 4    | 7/16 DIN-M, 7/16 DIN-F | 1.25:1 |
| TD075-50W | 7.5  | 7/16 DIN-M, 7/16 DIN-F | 1.45:1 |
| 3114D     | 7.5  | 7/16 DIN-M, 7/16 DIN-F | 1.25:1 |
| TT060-50W | 6    | TNC-M, TNC-F           | 1.25:1 |
| TT120-50W | 12.4 | TNC-M, TNC-F           | 1.35:1 |
| TT180-50W | 18   | TNC-M, TNC-F           | 1.45:1 |
| 3114T     | 12.4 | TNC-M, TNC-F           | 1.35:1 |



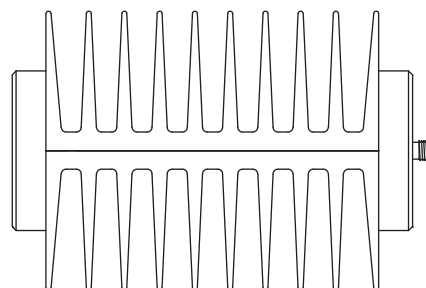
7/16 DIN-M



3114N-F

## 100 Watt Terminations, Convection Cooled

|            |     |                        |        |
|------------|-----|------------------------|--------|
| TS020-100W | 2.5 | SMA-M, SMA-F           | 1.30:1 |
| TS060-100W | 6   | SMA-M, SMA-F           | 1.40:1 |
| TN020-100W | 2.5 | N-M, N-F               | 1.30:1 |
| TN060-100W | 6   | N-M, N-F               | 1.40:1 |
| TB020-100W | 2.5 | BNC-M, BNC-F           | 1.35:1 |
| TB040-100W | 4   | BNC-M, BNC-F           | 1.45:1 |
| TT020-100W | 2.5 | TNC-M, TNC-F           | 1.30:1 |
| TT060-100W | 6   | TNC-M, TNC-F           | 1.40:1 |
| TD020-100W | 2.5 | 7/16 DIN-M, 7/16 DIN-F | 1.35:1 |
| TD060-100W | 6   | 7/16 DIN-M, 7/16 DIN-F | 1.45:1 |

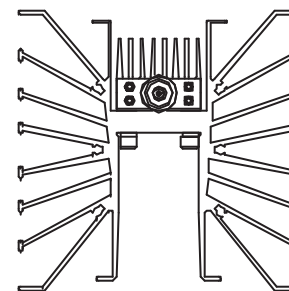


SMA-F

**150 Watt Terminations, See New Product Addendum at End of File**

## 300 Watt Terminations, Convection Cooled

|            |     |                        |        |
|------------|-----|------------------------|--------|
| TS020-300W | 2.5 | SMA-M, SMA-F           | 1.25:1 |
| TS040-300W | 4   | SMA-M, SMA-F           | 1.35:1 |
| TN020-300W | 2.5 | N-M, N-F               | 1.25:1 |
| TN040-300W | 4   | N-M, N-F               | 1.35:1 |
| TB020-300W | 2.5 | BNC-M, BNC-F           | 1.30:1 |
| TB040-300W | 4   | BNC-M, BNC-F           | 1.35:1 |
| TT020-300W | 2.5 | TNC-M, TNC-F           | 1.25:1 |
| TT040-300W | 4   | TNC-M, TNC-F           | 1.35:1 |
| TD020-300W | 2.5 | 7/16 DIN-M, 7/16 DIN-F | 1.30:1 |
| TD040-300W | 4   | 7/16 DIN-M, 7/16 DIN-F | 1.35:1 |



Type N

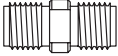
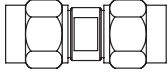
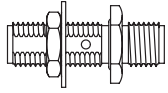
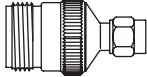
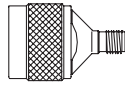
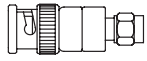
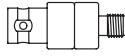
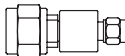
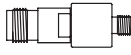
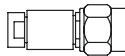
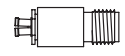
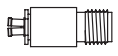
## Adapters

| Connector              | F  | 7/16 | BNC | N  | TNC | 7mm | SMA | 3.5mm | 2.9mm | GPO <sup>TM</sup> /SMP | 2.4mm | 1.85mm |
|------------------------|----|------|-----|----|-----|-----|-----|-------|-------|------------------------|-------|--------|
| F                      | ❶  |      | ❶❷  | ❶❷ | ❷   |     | ❷   |       |       |                        |       |        |
| 7/16                   |    |      |     | ❸  |     |     |     |       |       |                        |       |        |
| BNC                    | ❶❷ |      |     |    |     |     |     |       |       |                        |       |        |
| N                      | ❶❷ | ❸    |     |    |     |     | ❸   |       |       |                        |       |        |
| TNC                    | ❷  |      |     |    |     |     |     |       |       |                        |       |        |
| 7mm                    |    |      |     |    |     |     |     |       |       |                        |       |        |
| SMA                    | ❷  |      |     | ❸  |     |     | ❸   |       |       |                        |       |        |
| 3.5mm                  |    |      |     |    |     |     |     |       |       |                        |       |        |
| 2.9mm                  |    |      |     |    |     |     |     |       |       |                        |       |        |
| GPO <sup>TM</sup> /SMP |    |      |     |    |     |     |     |       |       |                        |       |        |
| 2.4mm                  |    |      |     |    |     |     |     |       |       |                        |       |        |
| 1.85mm                 |    |      |     |    |     |     |     |       |       |                        |       |        |

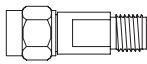
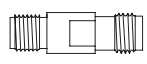
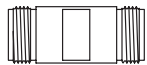
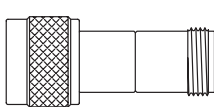
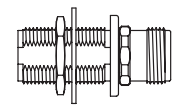
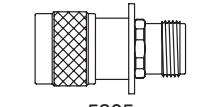
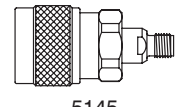
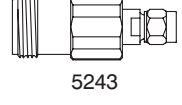
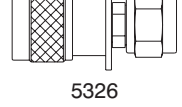
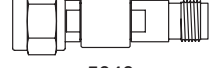
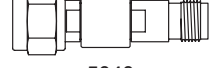
❶ Adapter, 75  $\Omega$  both sides (page 16)

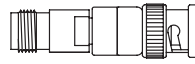
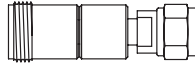
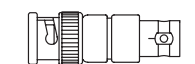
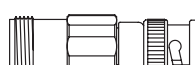
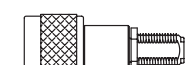
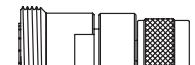
❷ Impedance Matching Pad where F connector only is 75  $\Omega$  (page 5)  
Also available with Quick Connect Option

*Note: Highlighted squares denote available connector configurations*

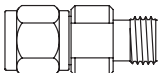
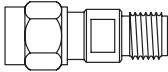
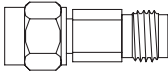
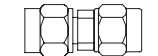
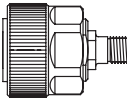
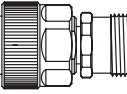
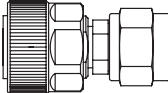
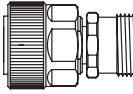
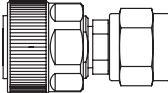
| CONNECTORS                         | MODEL NO.           | FREQ.<br>(Ghz) | VSWR   | DESCRIPTION            |                                                                                       |
|------------------------------------|---------------------|----------------|--------|------------------------|---------------------------------------------------------------------------------------|
| <b>SMA In Series Adapters</b>      |                     |                |        |                        |                                                                                       |
| F/F with O-Ring Seal               | 5211-137            | 3              | 1.10:1 | Bulkhead Feedthru      |    |
| F/F M/M M/F                        | 5010, 5020, 5030    | 18             | 1.20:1 |                        |                                                                                       |
| F/F M/M M/F                        | 5043, 5044, 5045    | 18             | 1.20:1 | Gold Plated            |                                                                                       |
| M/F                                | 5030Q               | 18             | 1.25:1 | Quick Connect          |                                                                                       |
| M/F M/M F/F                        | 5311, 5312, 5313    | 18             | 1.25:1 | Flange Mount, 0.5" Sq  |                                                                                       |
| M/F M/M F/F                        | 5311A, 5312A, 5313A | 18             | 1.20:1 | Flange Mount, 0.5" Sq. |    |
| F/F with O-Ring Seal               | 5211                | 18             | 1.15:1 | Bulkhead Feedthru      |                                                                                       |
| F/F (Au is Gold Plated)            | 5205, 5205/Au       | 18             | 1.15:1 | Bulkhead Feedthru      |                                                                                       |
| F/F M/M M/F                        | 5163, 5164, 5165    | 26.5           | 1.20:1 |                        |                                                                                       |
| F/F with O-Ring Seal               | 5218                | 26.5           | 1.30:1 | Bulkhead Feedthru      |    |
| <b>SMA Between Series Adapters</b> |                     |                |        |                        |                                                                                       |
| SMA-M N-M                          | 5061                | 6              | 1.30:1 | Ultra Low Cost Brass   |                                                                                       |
| SMA-M N-F                          | 5062                | 6              | 1.30:1 | Ultra Low Cost Brass   |                                                                                       |
| SMA-F N-M                          | 5063                | 6              | 1.30:1 | Ultra Low Cost Brass   |                                                                                       |
| SMA-F N-F                          | 5064                | 6              | 1.30:1 | Ultra Low Cost Brass   |                                                                                       |
| SMA-M N-M                          | 5306-067            | 6              | 1.07:1 | Flange Mount 1" Sq.    |                                                                                       |
| SMA-M N-F                          | 5307-067            | 6              | 1.07:1 | Flange Mount 1" Sq.    |    |
| SMA-F N-M                          | 5308-067            | 6              | 1.07:1 | Flange Mount 1" Sq.    |                                                                                       |
| SMA-F N-F                          | 5309-067            | 6              | 1.07:1 | Flange Mount 1" Sq.    |                                                                                       |
| SMA-F 7/16-F                       | 5714                | 7.5            | 1.35:1 |                        |                                                                                       |
| SMA-M 7/16-F                       | 5715                | 7.5            | 1.35:1 |                        |                                                                                       |
| SMA-F 7/16-M                       | 5716                | 7.5            | 1.35:1 |                        |                                                                                       |
| SMA-M 7/16-M                       | 5717                | 7.5            | 1.35:1 |                        |    |
| SMA-M N-M                          | 5056                | 18             | 1.25:1 | Short Profile          |                                                                                       |
| SMA-M N-F                          | 5057                | 18             | 1.25:1 | Short Profile          |                                                                                       |
| SMA-F N-F                          | 5058                | 18             | 1.25:1 | Short Profile          |                                                                                       |
| SMA-F N-M                          | 5059                | 18             | 1.25:1 | Short Profile          |                                                                                       |
| SMA-M N-M                          | 5106                | 18             | 1.12:1 | Precision              |                                                                                       |
| SMA-M N-F                          | 5107                | 18             | 1.12:1 | Precision              |  |
| SMA-F N-M                          | 5108                | 18             | 1.12:1 | Precision              |                                                                                       |
| SMA-F N-F                          | 5109                | 18             | 1.12:1 | Precision              |                                                                                       |
| SMA-M N-F                          | 5057Q               | 18             | 1.30:1 | Quick Connect          |                                                                                       |
| SMA-M N-M                          | 5306                | 18             | 1.12:1 | Flange Mount 1" Sq.    |                                                                                       |
| SMA-M N-F                          | 5307                | 18             | 1.12:1 | Flange Mount 1" Sq.    |  |
| SMA-F N-M                          | 5308                | 18             | 1.12:1 | Flange Mount 1" Sq.    |                                                                                       |
| SMA-F N-F                          | 5309                | 18             | 1.12:1 | Flange Mount 1" Sq.    |                                                                                       |
| SMA-F N-F                          | 5209                | 18             | 1.20:1 | Bulkhead Feedthru      |                                                                                       |
| SMA-M N-F                          | 5210                | 18             | 1.20:1 | Bulkhead Feedthru      |  |
| SMA-F N-F w/ O-Ring Seal           | 5212                | 18             | 1.20:1 | Bulkhead Feedthru      |                                                                                       |
| SMA-M N-F w/ O-Ring Seal           | 5213                | 18             | 1.20:1 | Bulkhead Feedthru      |                                                                                       |
| SMA-M BNC-M                        | 5011                | 8              | 1.25:1 |                        |                                                                                       |
| SMA-M BNC-F                        | 5012                | 8              | 1.25:1 |                        |                                                                                       |
| SMA-F BNC-M                        | 5013                | 8              | 1.25:1 |                        |  |
| SMA-F BNC-F                        | 5014                | 8              | 1.25:1 |                        |                                                                                       |
| SMA-M TNC-M                        | 5015                | 18             | 1.25:1 |                        |                                                                                       |
| SMA-M TNC-F                        | 5016                | 18             | 1.25:1 |                        |                                                                                       |
| SMA-F TNC-M                        | 5017                | 18             | 1.25:1 |                        |                                                                                       |
| SMA-F TNC-F                        | 5018                | 18             | 1.25:1 |                        |  |
| SMA-M GPO-M                        | 5190G               | 18             | 1.20:1 | Full Detent            |                                                                                       |
| SMA-M GPO-M                        | 5190GL              | 18             | 1.20:1 | Limited Detent         |  |
| SMA-F GPO-M                        | 5191G               | 18             | 1.20:1 | Full Detent            |                                                                                       |
| SMA-F GPO-M                        | 5191GL              | 18             | 1.20:1 | Limited Detent         |                                                                                       |
| SMA-M GPO-F                        | 5192G               | 18             | 1.20:1 |                        |                                                                                       |
| SMA-F GPO-F                        | 5193G               | 18             | 1.20:1 |                        |  |
| SMA-M SMP-M                        | 5190P               | 18             | 1.20:1 | Full Detent            |                                                                                       |
| SMA-M SMP-M                        | 5190PL              | 18             | 1.20:1 | Limited Detent         |                                                                                       |
| SMA-F SMP-M                        | 5191P               | 18             | 1.20:1 | Full Detent            |                                                                                       |
| SMA-F SMP-M                        | 5191PL              | 18             | 1.20:1 | Limited Detent         |                                                                                       |

# Adapter Reference Guide

| CONNECTORS                             |                 |     | MODEL NO.        | FREQ. | VSWR   | DESCRIPTION           |                                                                                               |                                                                                               |
|----------------------------------------|-----------------|-----|------------------|-------|--------|-----------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| SMA Between Series Adapters, Continued |                 |     |                  | (Ghz) |        |                       |                                                                                               |                                                                                               |
| SMA-M                                  | SMP-F           |     | 5192P            | 18    | 1.20:1 |                       | <br>5247   |                                                                                               |
| SMA-F                                  | SMP-F           |     | 5193P            | 18    | 1.20:1 |                       |                                                                                               |                                                                                               |
| SMA-M                                  | 3.5mm-M         |     | 5246             | 18    | 1.25:1 |                       | <br>5253   |                                                                                               |
| SMA-M                                  | 3.5mm-F         |     | 5247             | 18    | 1.25:1 |                       |                                                                                               |                                                                                               |
| SMA-F                                  | 3.5mm-M         |     | 5248             | 18    | 1.25:1 |                       | <br>5003   |                                                                                               |
| SMA-F                                  | 3.5mm-F         |     | 5249             | 18    | 1.25:1 |                       |                                                                                               |                                                                                               |
| SMA-F                                  | 1.85mm-M        |     | 5250             | 18    | 1.30:1 |                       | <br>5005   |                                                                                               |
| SMA-M                                  | 1.85mm-M        |     | 5251             | 18    | 1.30:1 |                       |                                                                                               |                                                                                               |
| SMA-M                                  | 1.85mm-F        |     | 5252             | 18    | 1.30:1 |                       | <br>5208   |                                                                                               |
| SMA-F                                  | 1.85mm-F        |     | 5253             | 18    | 1.30:1 |                       |                                                                                               |                                                                                               |
| TYPE N In Series                       |                 |     |                  |       |        |                       |                                                                                               |                                                                                               |
| F/F                                    | M/M             | M/F | 5185, 5188, 5189 | 6     | 1.20:1 | Ultra Low Cost, Brass | <br>5305  |                                                                                               |
| F/F                                    |                 |     | 5303-067         | 6     | 1.07:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| M/M                                    |                 |     | 5304-067         | 6     | 1.07:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| M/F                                    |                 |     | 5305-067         | 6     | 1.07:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| F/F                                    | M/M             | M/F | 5003, 5004, 5005 | 18    | 1.25:1 |                       | <br>5145 |                                                                                               |
| F/F                                    | M/M             | M/F | 5103, 5104, 5105 | 18    | 1.12:1 | Precision             |                                                                                               |                                                                                               |
| F/F                                    |                 |     | 5208             | 18    | 1.15:1 | Bulkhead Feedthru     |                                                                                               |                                                                                               |
| F/F with O-Ring Seal                   |                 |     | 5215             | 18    | 1.15:1 | Bulkhead Feedthru     |                                                                                               |                                                                                               |
| F/F                                    | M/M             | M/F | 5303, 5304, 5305 | 18    | 1.12:1 | Flange Mount 1" sq.   | <br>5243 |                                                                                               |
| TYPE N Between Series                  |                 |     |                  |       |        |                       |                                                                                               |                                                                                               |
| N-M                                    | TNC-M           |     | 5326-067         | 6     | 1.07:1 | Flange Mount 1" sq.   |                                                                                               | <br>5207 |
| N-M                                    | TNC-F           |     | 5327-067         | 6     | 1.07:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| N-F                                    | TNC-M           |     | 5328-067         | 6     | 1.07:1 | Flange Mount 1" sq.   | <br>5326 |                                                                                               |
| N-F                                    | TNC-F           |     | 5329-067         | 6     | 1.07:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| N-M                                    | TNC-M           |     | 5326             | 18    | 1.12:1 | Flange Mount 1" sq.   | <br>5040 |                                                                                               |
| N-M                                    | TNC-F           |     | 5327             | 18    | 1.12:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| N-F                                    | TNC-M           |     | 5328             | 18    | 1.12:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| N-F                                    | TNC-F           |     | 5329             | 18    | 1.12:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| N-M                                    | BNC-M           |     | 5330             | 8     | 1.20:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| N-M                                    | BNC-F           |     | 5331             | 8     | 1.20:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| N-F                                    | BNC-M           |     | 5332             | 8     | 1.20:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| N-F                                    | BNC-F           |     | 5333             | 8     | 1.20:1 | Flange Mount 1" sq.   |                                                                                               |                                                                                               |
| N-F                                    | 2.4mm-M         |     | 5155             | 18    | 1.15:1 |                       |                                                                                               |                                                                                               |
| N-F                                    | 2.4mm-F         |     | 5156             | 18    | 1.15:1 |                       |                                                                                               |                                                                                               |
| N-M                                    | 2.4mm-M         |     | 5157             | 18    | 1.15:1 |                       |                                                                                               |                                                                                               |
| N-M                                    | 2.4mm-F         |     | 5158             | 18    | 1.15:1 |                       |                                                                                               |                                                                                               |
| N-M                                    | 2.9mm-M         |     | 5166             | 18    | 1.15:1 | Precision             |                                                                                               |                                                                                               |
| N-F                                    | 2.9mm-F         |     | 5167             | 18    | 1.15:1 | Precision             |                                                                                               |                                                                                               |
| N-M                                    | 2.9mm-F         |     | 5168             | 18    | 1.15:1 | Precision             |                                                                                               |                                                                                               |
| N-F                                    | 2.9mm-M         |     | 5169             | 18    | 1.15:1 | Precision             |                                                                                               |                                                                                               |
| N-M                                    | 3.5mm-M         |     | 5144             | 18    | 1.12:1 |                       |                                                                                               |                                                                                               |
| N-M                                    | 3.5mm-F         |     | 5145             | 18    | 1.12:1 |                       |                                                                                               |                                                                                               |
| N-F                                    | 3.5mm-M         |     | 5146             | 18    | 1.12:1 |                       |                                                                                               |                                                                                               |
| N-F                                    | 3.5mm-F         |     | 5147             | 18    | 1.12:1 |                       |                                                                                               |                                                                                               |
| N-M                                    | 1.85mm-M        |     | 5242             | 18    | 1.25:1 |                       |                                                                                               |                                                                                               |
| N-F                                    | 1.85mm-M        |     | 5243             | 18    | 1.25:1 |                       |                                                                                               |                                                                                               |
| N-M                                    | 1.85mm-F        |     | 5244             | 18    | 1.25:1 |                       |                                                                                               |                                                                                               |
| N-F                                    | 1.85mm-F        |     | 5245             | 18    | 1.25:1 |                       |                                                                                               |                                                                                               |
| N-M                                    | SMA-F           |     | 5206             | 18    | 1.30:1 | Bulkhead Feedthru     |                                                                                               |                                                                                               |
| N-F                                    | SMA-F           |     | 5203             | 18    | 1.12:1 | Bulkhead Feedthru     |                                                                                               |                                                                                               |
| N-F                                    | SMA-M           |     | 5207             | 18    | 1.12:1 | Bulkhead Feedthru     |                                                                                               |                                                                                               |
| N-F                                    | SMA-M w/ O-Ring |     | 5216             | 18    | 1.12:1 | Bulkhead Feedthru     |                                                                                               |                                                                                               |
| N-F                                    | SMA-F w/ O-Ring |     | 5217             | 18    | 1.12:1 | Bulkhead Feedthru     |                                                                                               |                                                                                               |
| TNC In Series                          |                 |     |                  |       |        |                       |                                                                                               |                                                                                               |
| F/F                                    | M/M             | M/F | 5186, 5187, 5194 | 6     | 1.20:1 | Ultra Low Cost, Brass | <br>5040 |                                                                                               |
| M/F                                    | F/F             | M/M | 5040, 5041, 5042 | 18    | 1.20:1 |                       |                                                                                               |                                                                                               |

| CONNECTORS              |       |     | MODEL NO.        | FREQ. | VSWR   | DESCRIPTION       |                                                                                               |
|-------------------------|-------|-----|------------------|-------|--------|-------------------|-----------------------------------------------------------------------------------------------|
| TNC Between Series      |       |     |                  | (Ghz) |        |                   |                                                                                               |
| TNC-M                   | BNC-M |     | 5034             | 8     | 1.30:1 |                   | <br>5035   |
| TNC-F                   | BNC-M |     | 5035             | 8     | 1.30:1 |                   |                                                                                               |
| TNC-M                   | BNC-F |     | 5036             | 8     | 1.30:1 |                   |                                                                                               |
| TNC-F                   | BNC-F |     | 5037             | 8     | 1.30:1 |                   |                                                                                               |
| TNC-M                   | N-F   |     | 5026             | 18    | 1.25:1 |                   | <br>5128   |
| TNC-F                   | N-F   |     | 5027             | 18    | 1.25:1 |                   |                                                                                               |
| TNC-M                   | N-M   |     | 5028             | 18    | 1.25:1 |                   |                                                                                               |
| TNC-F                   | N-M   |     | 5029             | 18    | 1.25:1 |                   |                                                                                               |
| TNC-M                   | N-M   |     | 5126             | 18    | 1.12:1 | Precision         | <br>5031   |
| TNC-F                   | N-M   |     | 5127             | 18    | 1.12:1 | Precision         |                                                                                               |
| TNC-M                   | N-F   |     | 5128             | 18    | 1.12:1 | Precision         |                                                                                               |
| TNC-F                   | N-F   |     | 5129             | 18    | 1.12:1 | Precision         |                                                                                               |
| BNC In Series           |       |     |                  |       |        |                   |                                                                                               |
| M/F                     | F/F   | M/M | 5031, 5032, 5033 | 8     | 1.25:1 |                   |                                                                                               |
| BNC Between Series      |       |     |                  |       |        |                   | <br>5022   |
| BNC-M                   | N-M   |     | 5021             | 8     | 1.30:1 |                   |                                                                                               |
| BNC-F                   | N-M   |     | 5022             | 8     | 1.30:1 |                   |                                                                                               |
| BNC-M                   | N-F   |     | 5023             | 8     | 1.30:1 |                   |                                                                                               |
| BNC-F                   | N-F   |     | 5024             | 8     | 1.30:1 |                   |                                                                                               |
| BNC-M                   | N-M   |     | 5130             | 8     | 1.15:1 | Precision         |                                                                                               |
| BNC-F                   | N-M   |     | 5131             | 8     | 1.15:1 | Precision         |                                                                                               |
| BNC-M                   | N-F   |     | 5132             | 8     | 1.15:1 | Precision         |                                                                                               |
| BNC-F                   | N-F   |     | 5133             | 8     | 1.15:1 | Precision         |                                                                                               |
| TYPE F In Series        |       |     |                  |       |        |                   | <br>5023   |
| M/F                     | M/M   | F/F | 5230, 5231, 5232 | 3     | 1.30:1 | 75 Ω              |                                                                                               |
| TYPE F Between Series   |       |     |                  |       |        |                   | <br>5196 |
| F-M                     | N-M   |     | 5195             | 3     | 1.30:1 | 75 Ω Both Sides   |                                                                                               |
| F-M                     | N-F   |     | 5196             | 3     | 1.30:1 | 75 Ω Both Sides   |                                                                                               |
| F-F                     | N-M   |     | 5197             | 3     | 1.30:1 | 75 Ω Both Sides   |                                                                                               |
| F-F                     | N-F   |     | 5198             | 3     | 1.30:1 | 75 Ω Both Sides   |                                                                                               |
| F-M                     | BNC-M |     | 5070             | 3     | 1.30:1 | 75 Ω Both Sides   |                                                                                               |
| F-M                     | BNC-F |     | 5071             | 3     | 1.30:1 | 75 Ω Both Sides   |                                                                                               |
| F-F                     | BNC-M |     | 5072             | 3     | 1.30:1 | 75 Ω Both Sides   |                                                                                               |
| F-F                     | BNC-F |     | 5073             | 3     | 1.30:1 | 75 Ω Both Sides   |                                                                                               |
| 7/16 DIN In Series      |       |     |                  |       |        |                   | <br>5197 |
| F/F                     | M/M   | M/F | 5701, 5702, 5703 | 7.5   | 1.35:1 |                   |                                                                                               |
| 7/16 DIN Between Series |       |     |                  |       |        |                   | <br>5705 |
| 7/16 DIN-F              | N-F   |     | 5704             | 7.5   | 1.35:1 |                   |                                                                                               |
| 7/16 DIN-F              | N-M   |     | 5705             | 7.5   | 1.35:1 |                   |                                                                                               |
| 7/16 DIN-M              | N-F   |     | 5706             | 7.5   | 1.35:1 |                   |                                                                                               |
| 7/16 DIN-M              | N-M   |     | 5707             | 7.5   | 1.35:1 |                   | <br>5709 |
| 7/16 DIN-M              | N-F   |     | 5706Q            | 7.5   | 1.35:1 | Quick Connect     |                                                                                               |
| 7/16 DIN-M              | N-M   |     | 5707Q            | 7.5   | 1.35:1 | Quick Connect     |                                                                                               |
| 7/16 DIN-F              | TNC-F |     | 5708             | 7.5   | 1.35:1 |                   |                                                                                               |
| 7/16 DIN-F              | TNC-M |     | 5709             | 7.5   | 1.35:1 |                   |                                                                                               |
| 7/16 DIN-M              | TNC-F |     | 5710             | 7.5   | 1.35:1 |                   | <br>5709 |
| 7/16 DIN-M              | TNC-M |     | 5711             | 7.5   | 1.35:1 |                   |                                                                                               |
| 1.85mm In Series        |       |     |                  |       |        |                   | <br>5150 |
| F/F                     | M/M   | M/F | 5173, 5174, 5175 | 65    | 1.40:1 |                   |                                                                                               |
| F/F with O-Ring Seal    |       |     | 5289             | 65    | 1.40:1 | Bulkhead Feedthru |                                                                                               |
| F/F without O-Ring Seal |       |     | 5290             | 65    | 1.40:1 | Bulkhead Feedthru |                                                                                               |
| 2.4mm In Series         |       |     |                  |       |        |                   |                                                                                               |
| F/F                     | M/M   | M/F | 5148, 5149, 5150 | 50    | 1.30:1 |                   |                                                                                               |
| F/F with O-Ring Seal    |       |     | 5221             | 50    | 1.35:1 | Bulkhead Feedthru |                                                                                               |
| 2.4mm Between Series    |       |     |                  |       |        |                   |                                                                                               |
| 2.4mm-M                 | SMA-M |     | 5080             | 26.5  | 1.20:1 |                   |                                                                                               |
| 2.4mm-F                 | SMA-M |     | 5081             | 26.5  | 1.20:1 |                   |                                                                                               |

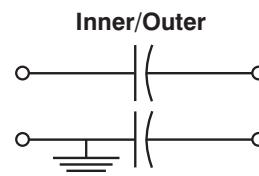
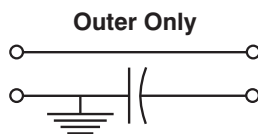
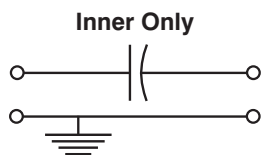
# Adapter Reference Guide

| CONNECTORS                      |                   |     | MODEL NO.        | FREQ. | VSWR   | DESCRIPTION            |                                                                                               |
|---------------------------------|-------------------|-----|------------------|-------|--------|------------------------|-----------------------------------------------------------------------------------------------|
| 2.4mm Between Series, Continued |                   |     |                  | (Ghz) |        |                        |                                                                                               |
| 2.4mm-M                         | 3.5mm-M           |     | 5065             | 34    | 1.25:1 |                        | <br>5153   |
| 2.4mm-M                         | 3.5mm-F           |     | 5066             | 34    | 1.25:1 |                        |                                                                                               |
| 2.4mm-F                         | 3.5mm-M           |     | 5067             | 34    | 1.25:1 |                        |                                                                                               |
| 2.4mm-F                         | 3.5mm-F           |     | 5068             | 34    | 1.25:1 |                        |                                                                                               |
| 2.4mm-F                         | 2.9mm-F           |     | 5151             | 40    | 1.30:1 |                        | <br>5078   |
| 2.4mm-F                         | 2.9mm-M           |     | 5152             | 40    | 1.30:1 |                        |                                                                                               |
| 2.4mm-M                         | 2.9mm-F           |     | 5153             | 40    | 1.30:1 |                        |                                                                                               |
| 2.4mm-M                         | 2.9mm-M           |     | 5154             | 40    | 1.30:1 |                        |                                                                                               |
| 2.4mm-M                         | 1.85mm-M          |     | 5075             | 50    | 1.35:1 |                        | <br>5162   |
| 2.4mm-M                         | 1.85mm-F          |     | 5076             | 50    | 1.35:1 |                        |                                                                                               |
| 2.4mm-F                         | 1.85mm-M          |     | 5077             | 50    | 1.35:1 |                        |                                                                                               |
| 2.4mm-F                         | 1.85mm-F          |     | 5078             | 50    | 1.35:1 |                        |                                                                                               |
| 2.9mm In Series                 |                   |     |                  |       |        |                        |                                                                                               |
| F/F                             | M/M               | M/F | 5160, 5161, 5162 | 26.5  | 1.15:1 |                        | <br>5255   |
| F/F                             |                   |     | 5338             | 26.5  | 1.25:1 | Flange Mount, 0.5" sq. |                                                                                               |
| F/F                             | M/M               | M/F | 5170, 5171, 5172 | 40    | 1.30:1 |                        |                                                                                               |
| F/F with O-Ring Seal            |                   |     | 5214             | 40    | 1.30:1 | Bulkhead Feedthru      |                                                                                               |
| F/F                             |                   |     | 5344             | 40    | 1.35:1 | Flange Mount, 0.5" sq. | <br>5257   |
| 2.9mm Between Series            |                   |     |                  |       |        |                        |                                                                                               |
| 2.9mm-M                         | SMA-M             |     | 5262             | 26.5  | 1.25:1 |                        | <br>5111 |
| 2.9mm-M                         | SMA-F             |     | 5263             | 26.5  | 1.25:1 |                        |                                                                                               |
| 2.9mm-F                         | SMA-M             |     | 5264             | 26.5  | 1.25:1 |                        |                                                                                               |
| 2.9mm-F                         | SMA-F             |     | 5265             | 26.5  | 1.25:1 |                        |                                                                                               |
| 2.9mm-F                         | 3.5mm-F           |     | 5266             | 34    | 1.25:1 |                        | <br>5113 |
| 2.9mm-F                         | 3.5mm-M           |     | 5267             | 34    | 1.25:1 |                        |                                                                                               |
| 2.9mm-M                         | 3.5mm-F           |     | 5268             | 34    | 1.25:1 |                        |                                                                                               |
| 2.9mm-M                         | 3.5mm-M           |     | 5269             | 34    | 1.25:1 |                        |                                                                                               |
| 2.9mm-M                         | 1.85mm-M          |     | 5258             | 40    | 1.40:1 |                        | <br>5114 |
| 2.9mm-M                         | 1.85mm-F          |     | 5259             | 40    | 1.40:1 |                        |                                                                                               |
| 2.9mm-F                         | 1.85mm-M          |     | 5260             | 40    | 1.40:1 |                        |                                                                                               |
| 2.9mm-F                         | 1.85mm-F          |     | 5261             | 40    | 1.40:1 |                        |                                                                                               |
| 2.9mm-F                         | 2.4mm-F w/ O-Ring |     | 5237             | 40    | 1.35:1 | Bulkhead Feedthru      |                                                                                               |
| 3.5mm In Series                 |                   |     |                  |       |        |                        |                                                                                               |
| M/F                             | M/M               | F/F | 5084, 5085, 5086 | 34    | 1.25:1 |                        |                                                                                               |
| 3.5mm Between Series            |                   |     |                  |       |        |                        |                                                                                               |
| 3.5mm-F                         | 1.85mm-M          |     | 5254             | 34    | 1.30:1 |                        | <br>5113 |
| 3.5mm-M                         | 1.85mm-F          |     | 5255             | 34    | 1.30:1 |                        |                                                                                               |
| 3.5mm-F                         | 1.85mm-F          |     | 5256             | 34    | 1.30:1 |                        |                                                                                               |
| 3.5mm-M                         | 1.85mm-M          |     | 5257             | 34    | 1.30:1 |                        |                                                                                               |
| 7mm Between Series              |                   |     |                  |       |        |                        |                                                                                               |
| 7mm                             | 7/16 DIN-M        |     | 5712             | 7.5   | 1.35:1 |                        | <br>5114 |
| 7mm                             | 7/16 DIN-F        |     | 5713             | 7.5   | 1.35:1 |                        |                                                                                               |
| 7mm                             | BNC-M             |     | 5116             | 8     | 1.15:1 |                        |                                                                                               |
| 7mm                             | BNC-F             |     | 5117             | 8     | 1.15:1 |                        |                                                                                               |
| 7mm                             | SMA-M             |     | 5110             | 18    | 1.12:1 |                        |                                                                                               |
| 7mm                             | SMA-F             |     | 5111             | 18    | 1.12:1 |                        |                                                                                               |
| 7mm                             | N-M               |     | 5112             | 18    | 1.12:1 |                        |                                                                                               |
| 7mm                             | N-F               |     | 5113             | 18    | 1.12:1 |                        |                                                                                               |
| 7mm                             | TNC-M             |     | 5114             | 18    | 1.12:1 |                        |                                                                                               |
| 7mm                             | TNC-F             |     | 5115             | 18    | 1.12:1 |                        |                                                                                               |
| 7mm                             | 3.5mm-M           |     | 5140             | 18    | 1.08:1 |                        |                                                                                               |
| 7mm                             | 3.5mm-F           |     | 5141             | 18    | 1.08:1 |                        |                                                                                               |
| 7mm                             | 2.4mm-M           |     | 5181             | 18    | 1.10:1 |                        |                                                                                               |
| 7mm                             | 2.4mm-F           |     | 5182             | 18    | 1.10:1 |                        |                                                                                               |
| 7mm                             | 2.9mm-M           |     | 5183             | 18    | 1.10:1 |                        |                                                                                               |
| 7mm                             | 2.9mm-F           |     | 5184             | 18    | 1.10:1 |                        |                                                                                               |
| 7mm                             | SMA-M             |     | 5314             | 18    | 1.12:1 | Flange Mount 1" sq.    |                                                                                               |
| 7mm                             | SMA-F             |     | 5315             | 18    | 1.12:1 | Flange Mount 1" sq.    |                                                                                               |

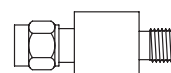


Inmet inner DC blocks have a capacitor in-series with the center conductor which prevents the flow of audio and direct current (DC) frequencies while offering minimum interference to RF signals up to 50GHz. Similarly outer DC blocks have a capacitor in-series with the outer conductor and the inner/outer types have capacitors in-series with both inner and outer conductors.

Insulation material on the outer DC blocks is a PEEK shell. Applications include ground loop elimination, signal source modulation leakage suppression, system signal-to-noise ratio improvement, test setup isolation and other situations where undesired DC or audio current flows in the system.



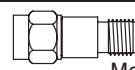
| MODEL NO.             | FREQ. (GHz) | CONNECTOR | VOLTAGE | BLOCK TYPE  |
|-----------------------|-------------|-----------|---------|-------------|
| <b>DC Blocks, SMA</b> |             |           |         |             |
| 8037                  | 0.01-18     | SMA-M/F   | 200     | INNER       |
| 8038                  | 0.01-18     | SMA-M/F   | 200     | OUTER       |
| 8039                  | 0.01-18     | SMA-M/F   | 200     | INNER-OUTER |



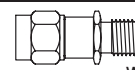
Models 8038 and 8039

## DC Blocks, SMA Microminiature

|       |         |         |     |       |
|-------|---------|---------|-----|-------|
| 8055  | 0.01-18 | SMA-M/F | 200 | INNER |
| 8055H | 0.01-18 | SMA-M/F | 200 | INNER |



Model 8055



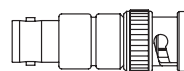
with Hex

## DC Blocks

|       |            |           |     |             |
|-------|------------|-----------|-----|-------------|
| 8046  | 0.01-18    | N-M/F     | 200 | INNER       |
| 8047  | 0.01-18    | N-M/F     | 200 | OUTER       |
| 8048  | 0.01-18    | N-M/F     | 200 | INNER/OUTER |
| 8080  | 0.01-4     | BNC-M/F   | 200 | INNER       |
| 8081  | 0.01-4     | BNC-M/F   | 200 | OUTER       |
| 8082  | 0.01-4     | BNC-M/F   | 200 | INNER/OUTER |
| 8070  | 0.01-18    | TNC-M/F   | 200 | INNER       |
| 8071  | 0.01-18    | TNC-M/F   | 200 | OUTER       |
| 8072  | 0.01-18    | TNC-M/F   | 200 | INNER/OUTER |
| 8060A | 0.007-26.5 | 2.9mm-M/F | 50  | INNER       |
| 8063A | 0.007-26.5 | 2.9mm-F/F | 50  | INNER       |
| 8066A | 0.007-26.5 | 2.9mm-M/M | 50  | INNER       |
| 8061  | 0.01-26.5  | 2.9mm-M/F | 200 | OUTER       |
| 8062A | 0.01-26.5  | 2.9mm-M/F | 200 | INNER/OUTER |
| 8141A | 0.01-40    | 2.9mm-M/F | 200 | INNER       |
| 8142  | 0.01-40    | 2.9mm-M/F | 200 | OUTER       |
| 8143A | 0.01-40    | 2.9mm-M/F | 200 | INNER/OUTER |
| 8144A | 0.01-40    | 2.9mm-F/F | 200 | INNER       |
| 8145  | 0.01-40    | 2.9mm-F/F | 200 | OUTER       |
| 8146A | 0.01-40    | 2.9mm-F/F | 200 | INNER/OUTER |
| 8177  | 0.01-50    | 2.4mm-M/F | 75  | INNER       |
| 8178  | 0.01-50    | 2.4mm-M/F | 75  | OUTER       |
| 8179  | 0.01-50    | 2.4mm-M/F | 75  | INNER/OUTER |
| 8100  | 0.30-2.5   | 7/16-M/F  | 100 | INNER       |



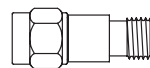
Model 8046



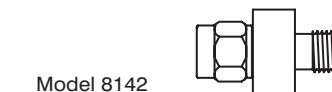
Model 8080



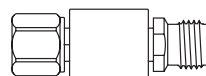
Model 8070



Model 8060A



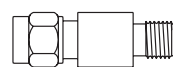
Model 8142



Model 8179

## DC Blocks, High Voltage

|            |         |          |      |       |
|------------|---------|----------|------|-------|
| 8529A, AH  | 0.1-4   | SMA-M/F  | 900  | INNER |
| 8532-SI-HV | 0.1-18  | SMA-M/F  | 950  | INNER |
| 8532-NI-HV | 0.1-18  | N-M/F    | 950  | INNER |
| 8532-TI-HV | 0.1-18  | TNC-M/F  | 950  | INNER |
| 8550       | 0.8-2.8 | 7/16-M/F | 3000 | INNER |



Model 8532-SI-HV

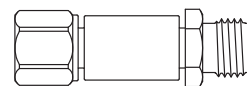
# DC Block Reference Guide

MODEL NO. FREQ. (GHz) CONNECTOR VOLTAGE BLOCK TYPE

## DC Blocks, Broadband

|               |            |           |     |       |
|---------------|------------|-----------|-----|-------|
| 8535          | 7 kHz-23   | SMA-M/F   | 100 | INNER |
| 8535G, 8535GL | 7 kHz-26.5 | GPO-M/F   | 50  | INNER |
| 8535P, 8535PL | 7 kHz-26.5 | SMP-M/F   | 50  | INNER |
| 8535K, 8535KH | 7 kHz-40   | 2.9mm-M/F | 35  | INNER |
| 8535E         | 7 kHz-50   | 2.4mm-M/F | 35  | INNER |

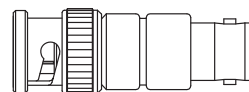
Note: GPO™ and SMP male connectors are available in full and limited detent.



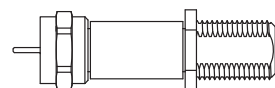
Model 8535

## 75 Ohm DC Blocks, In Series

|      |        |         |     |             |
|------|--------|---------|-----|-------------|
| 8174 | 0.01-2 | F-M/F   | 200 | INNER       |
| 8175 | 0.01-2 | F-M/F   | 200 | OUTER       |
| 8176 | 0.01-2 | F-M/F   | 200 | INNER-OUTER |
| 8184 | 0.1-4  | N-M/F   | 200 | INNER       |
| 8185 | 0.1-4  | N-M/F   | 200 | OUTER       |
| 8186 | 0.1-4  | N-M/F   | 200 | INNER/OUTER |
| 8181 | 0.1-4  | BNC-M/F | 200 | INNER       |
| 8182 | 0.1-4  | BNC-M/F | 200 | OUTER       |
| 8183 | 0.1-4  | BNC-M/F | 200 | INNER/OUTER |



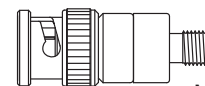
Model 8181



Model 8174

## DC Blocks, Between Series

|      |         |                 |     |       |
|------|---------|-----------------|-----|-------|
| 8313 | 0.01-4  | BNC-M/SMA-F     | 100 | INNER |
| 8301 | 0.01-18 | N-M/SMA-M       | 200 | INNER |
| 8302 | 0.01-18 | N-M/SMA-F       | 200 | INNER |
| 8303 | 0.01-18 | N-F/SMA-M       | 200 | INNER |
| 8304 | 0.01-18 | N-F/SMA-F       | 200 | INNER |
| 8306 | 0.01-40 | 2.4mm-M/2.9mm-F | 200 | INNER |
| 8309 | 0.01-40 | 2.4mm-F/2.9mm-M | 200 | INNER |
| 8180 | 0.01-40 | 2.4mm-F/2.9mm-F | 200 | INNER |



Model 8313

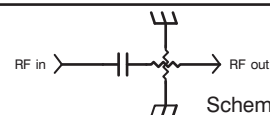


Model 8306

MODEL NO. FREQ. (GHz) CONNECTOR VSWR ATTN (dB)

## 2 Watt DC Blocking Attenuators (Also See Attenuator Section, page 6)

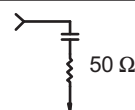
|          |        |                   |        |               |
|----------|--------|-------------------|--------|---------------|
| 8516S-XX | 0.01-2 | SMA-M/F, M/M, F/F | 1.15:1 | 0-10,12,15,20 |
|----------|--------|-------------------|--------|---------------|



Schematic Diagram

## DC Blocking Terminations (Also see Termination Section, Page 10)

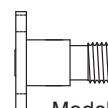
|          |            |        |     |       |
|----------|------------|--------|-----|-------|
| 8530S    | 30 kHz-18  | SMA    | 100 | INNER |
| 8530N    | 30 kHz-18  | N      | 100 | INNER |
| 8530PF   | 30 kHz-23  | SMP-F  | 100 | INNER |
| 8541-MPF | 100 kHz-50 | SMPM-M | 10  | INNER |



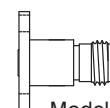
Schematic Diagram

## DC Blocking Connectors (Accepts \*0.009 and 0.012" Dia. Pins)

|         |           |          |    |       |
|---------|-----------|----------|----|-------|
| 8537KF  | 20 kHz-45 | 2.9mm-F  | 25 | INNER |
| 8537KM  | 20 kHz-45 | 2.9mm-M  | 25 | INNER |
| 8537EF  | 20 kHz-45 | 2.4mm-F  | 25 | INNER |
| 8537EM  | 20 kHz-45 | 2.4mm-M  | 25 | INNER |
| 8537VF* | 25 kHz-50 | 1.85mm-F | 25 | INNER |
| 8537VM* | 25 kHz-50 | 1.85mm-M | 25 | INNER |



Model 8537KF

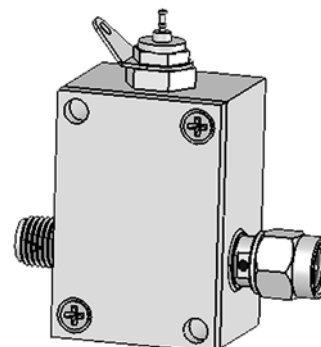


Model 8537EF

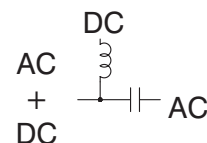
| MODEL NO. | FREQ. (GHz) | CONNECTORS | CURRENT (Max.) | VOLTAGE (Max.) |
|-----------|-------------|------------|----------------|----------------|
|-----------|-------------|------------|----------------|----------------|

## General Purpose and High Power Bias Tees

|              |          |              |      |      |
|--------------|----------|--------------|------|------|
| 8800SMF1-02  | .01-2.5  | SMA-M/F      | 2.5A | 100V |
| 8800NMF1-02  | .01-2.5  | N-M/F        | 2.5A | 100V |
| 8800DMF1-02  | .01-2.5  | 7/16-M/F     | 2.5A | 100V |
| 8800SMF1-04  | .01-4    | SMA-M/F      | 2.5A | 100V |
| 8800NMF1-04  | .01-4    | N-M/F        | 2.5A | 100V |
| 8800DMF1-04  | .01-4    | 7/16 DIN-M/F | 2.5A | 100V |
| 8800SMF1-06  | .01-6    | SMA-M/F      | 2.5A | 100V |
| 8800NMF1-06  | .01-6    | N-M/F        | 2.5A | 100V |
| 8800DMF1-06  | .01-6    | 7/16-M/F     | 2.5A | 100V |
| 8800DMF1-07  | .01-7.5  | 7/16-M/F     | 2.5A | 100V |
| 8800SMF1-09  | .01-9    | SMA-M/F      | 2.5A | 100V |
| 8800NMF1-09  | .01-9    | N-M/F        | 2.5A | 100V |
| 8800SMF1-12  | .01-12.4 | SMA-M/F      | 2.5A | 100V |
| 8800NMF1-12  | .01-12.4 | N-M/F        | 2.5A | 100V |
| 8820SMF1-02  | .5-2.5   | SMA-M/F      | 7.0A | 100V |
| 8820NMF1-02  | .5-2.5   | N-M/F        | 7.0A | 100V |
| 8820DMF1-02  | .5-2.5   | 7/16 DIN-M/F | 7.0A | 100V |
| 8821DMF1-02* | .5-2.5   | 7/16 DIN-M/F | 7.0A | 100V |
| 8875NMF1-03  | .01-3    | N-M/F        | 2.5A | 100V |
| 8875FMF1-03  | .01-3    | F-M/F        | 2.5A | 100V |



Model 8800SMF1



## Broadband Bias Tees

|             |             |           |       |     |
|-------------|-------------|-----------|-------|-----|
| 8810SMF2-12 | 50 kHz-12.4 | SMA-M/F   | 750mA | 25V |
| 8810SMF2-18 | 50 kHz-18   | SMA-M/F   | 750mA | 25V |
| 8810SMF2-26 | 50 kHz-26.5 | SMA-M/F   | 750mA | 25V |
| 8810KMF2-26 | 50 kHz-26.5 | 2.9mm-M/F | 750mA | 25V |
| 8810KMF2-40 | 50 kHz-40   | 2.9mm-M/F | 150mA | 25V |
| 8810EMF2-50 | 50 kHz-50   | 2.4mm-M/F | 150mA | 25V |
| 8812KMF2-26 | 12 kHz-26.5 | 2.9mm-M/F | 150mA | 16V |
| 8812KMF2-40 | 12 kHz-40   | 2.9mm-M/F | 150mA | 16V |

\*Environmentally Sealed

## Bias Tee Numbering System

88 = Bias Tee Product Family

### Product Series

- 00 = General Purpose Series
- 10 = Broadband Series
- 20 = High Power Series
- 21 = Environmentally Sealed
- 75 = 75 Ohm

### RF Connector Type

- E = 2.4mm
- K = 2.9mm
- N = Type N
- S = SMA
- D = 7/16 DIN
- T = TNC
- B = BNC
- F = F

### RF Connector Sex

- MF = Male "AC+DC" Connector
- Female "AC" Connector
- FF = Both Connectors Female
- MM = Both Connectors Male
- FM = Female "AC+DC" Connector
- Male "AC" Connector

### DC Connector Type

- 1 = Solder Post
- 2 = SMA Female
- 3 = BNC Female
- 4 = F Type Female

### Frequency

**8810EMF1-50**

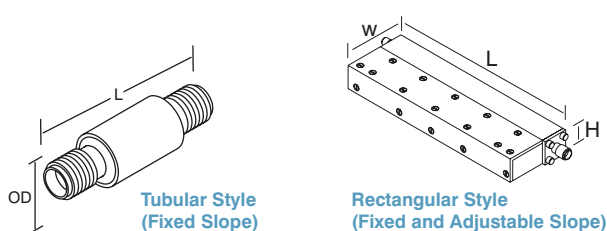
# Equalizer Overview

Gain equalizers are passive microwave components, which are designed to compensate for a variety of insertion loss slopes and irregularities to provide a flat output response. Inmet's adjustable designs are robust, easily tuned devices, that are stable under a variety of environmental conditions. Each equalizer model is custom made to meet our customer's unique loss slope and package requirements. Inmet has extensive design experience and staff dedicated to this product. Visit our web site at [www.aeroflex-inmet.com](http://www.aeroflex-inmet.com) and fill out the Equalizer Technical Questionnaire. We will supply you with a firm price and delivery quote and written technical proposal.

## Package Options

Coaxial, tubular, rectangular, drop-in and are available for your application.

## Typical Equalizer Designs



| Frequency | Package Size | Slope | Insertion Loss | Linearity |
|-----------|--------------|-------|----------------|-----------|
|-----------|--------------|-------|----------------|-----------|

### Tubular Style

|               |                  |       |        |          |
|---------------|------------------|-------|--------|----------|
| 0.05-0.65 GHz | L=3.18" OD=0.36" | 6 dB  | 0.5 dB | ±0.5 dB  |
| 0.5-2 GHz     | L=2.28" OD=0.36" | 5 dB  | 0.5 dB | ±0.5 dB  |
| 0.5-2 GHz     | L=2.28" OD=0.36" | 15 dB | 1.5 dB | ±1 dB    |
| 2-8 GHz       | L=1.69" OD=0.36" | 5 dB  | 1.0 dB | ±0.5 dB  |
| 2-8 GHz       | L=1.69" OD=0.36" | 15 dB | 1.5 dB | ±1 dB    |
| 0.1-18 GHz    | L=1.21" OD=0.36" | 3 dB  | 1.0 dB | ±0.75 dB |
| 0.1-18 GHz    | L=1.21" OD=0.36" | 10 dB | 1.5 dB | ±1 dB    |
| 0.1-18 GHz    | L=1.21" OD=0.36" | 30 dB | 6.0 dB | ±4 dB    |
| 0.5-18 GHz    | L=1.21" OD=0.36" | 5 dB  | 1.5 dB | ±0.75 dB |
| 0.5-18 GHz    | L=1.21" OD=0.36" | 10 dB | 2.0 dB | ±1 dB    |
| 0.5-18 GHz    | L=1.21" OD=0.36" | 30 dB | 6.0 dB | ±4 dB    |
| 2-18 GHz      | L=1.21" OD=0.36" | 4 dB  | 1.0 dB | ±0.75 dB |
| 2-18 GHz      | L=1.21" OD=0.36" | 10 dB | 2.0 dB | ±1 dB    |
| 2-18 GHz      | L=1.21" OD=0.36" | 30 dB | 6.0 dB | ±4 dB    |
| 8-18 GHz      | L=1.21" OD=0.36" | 3 dB  | 1.0 dB | ±0.5 dB  |
| 8-18 GHz      | L=1.21" OD=0.36" | 9 dB  | 3.0 dB | ±1.5 dB  |
| 0.3-26.5 GHz  | L=1.21" OD=0.36" | 10 dB | 2.0 dB | ±1 dB    |
| 0.3-26.5 GHz  | L=1.21" OD=0.36" | 20 dB | 4.0 dB | ±3 dB    |

### Rectangular Style

|           |                   |        |         |          |
|-----------|-------------------|--------|---------|----------|
| 0.8-2 GHz | 3" x 3" x 0.5"    | 8 dB*  | 1.5 dB  | ±1 dB    |
| 2-4 GHz   | 2" x 1.5" x 0.5"  | 3 dB   | 0.5 dB  | ±0.5 dB  |
| 2-4 GHz   | 4" x 1.5" x 0.5"  | 15 dB* | 2.0 dB  | ±1.5 dB  |
| 2-8 GHz   | 4" x 1.5" x 0.5"  | 10 dB  | 1.0 dB  | ±0.5 dB  |
| 2-8 GHz   | 4" x 1.5" x 0.5"  | 20 dB* | 2.0 dB  | ±1.5 dB  |
| 4-8 GHz   | 4" x 1.5" x 0.5"  | 8 dB   | 1.0 dB  | ±0.75 dB |
| 4-8 GHz   | 4" x 1.5" x 0.5"  | 20 dB* | 2.0 dB  | ±1.5 dB  |
| 6-18 GHz  | 4" x 1.5" x 0.5"  | 10 dB  | 1.0 dB  | ±0.75 dB |
| 6-18 GHz  | 4" x 1.5" x 0.5"  | 10 dB* | 1.0 dB  | ±1 dB    |
| 6-18 GHz  | 4" x 1.5" x 0.5"  | 25 dB* | 2.5 dB  | ±2 dB    |
| 8-12 GHz  | 4" x 1.5" x 0.5"  | 5 dB   | 0.5 dB  | ±0.5 dB  |
| 8-18 GHz  | 4" x 1.5" x 0.5"  | 10 dB  | 1.0 dB  | ±0.75 dB |
| 8-18 GHz  | 4" x 1.5" x 0.5"  | 10 dB* | 1.5 dB  | ±1 dB    |
| 17-23 GHz | 2" x 1.25" x 0.5" | 5 dB   | 0.75 dB | ±0.5 dB  |

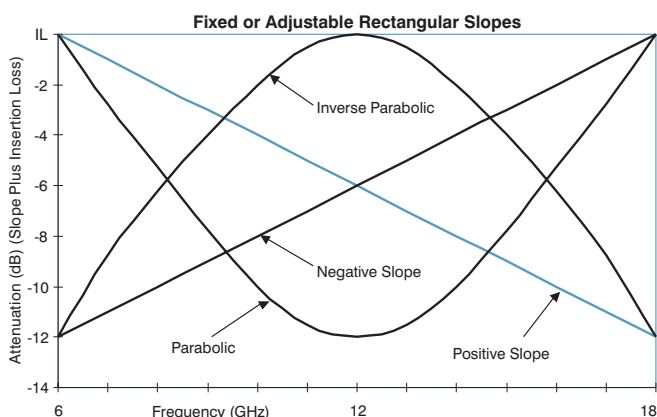
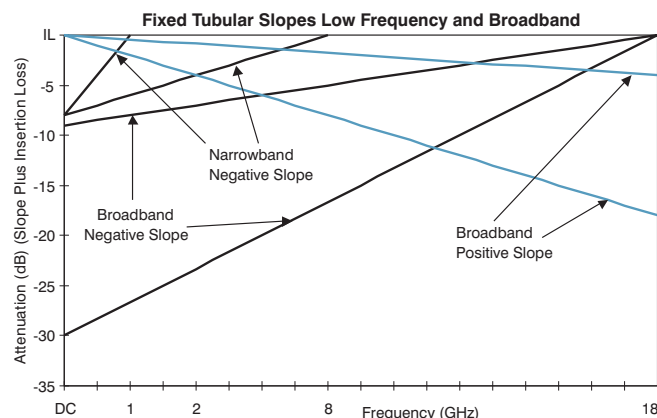
\* Parabolic

## Loss Shapes – available in fixed or adjustable units

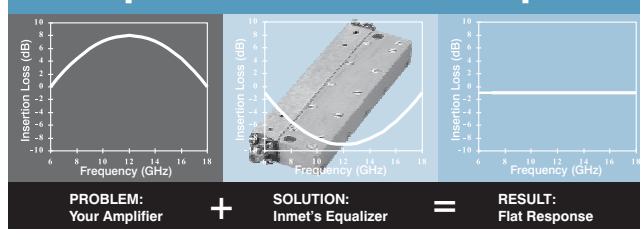
- Negative slope (Attenuation decreases as frequency increases)
- Positive slope (Attenuation increases as frequency increases)
- Parabolic slope (Used to compensate for gain of a TWT)
- Ripple slope (Used to remove ripple or IL spikes)

## Features

- 0.1 - 23 GHz
- Broadband or narrowband frequency performance
- Fine grain tuning capability
- Standard connectors: SMA, 2.9mm, N, TNC, SMP
- Meets MIL-Spec environmental requirements
- Custom designed
- Hybrids (Attenuators, DC Blocks, Isolators or Phase Shifters imbedded within the unit)



## Equalizer Math Made Simple

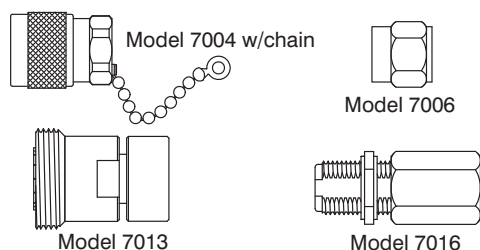


**See a selection of standard models in the New Product Addendum at End of File**

| MODEL NO. | FREQ. (GHz) | CONNECTOR | Minimum Gain |
|-----------|-------------|-----------|--------------|
|-----------|-------------|-----------|--------------|

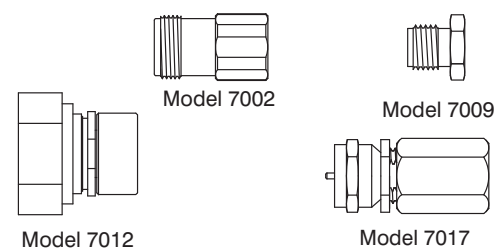
## Open Circuits (also available with chain, add suffix "C")

|      |     |            |
|------|-----|------------|
| 7004 | 18  | N-M        |
| 7005 | 18  | N-F        |
| 7006 | 18  | SMA-M      |
| 7007 | 18  | SMA-F      |
| 7013 | 7.5 | 7/16 DIN-F |
| 7014 | 7.5 | 7/16 DIN-M |
| 7015 | 3   | F-M        |
| 7016 | 3   | F-F        |



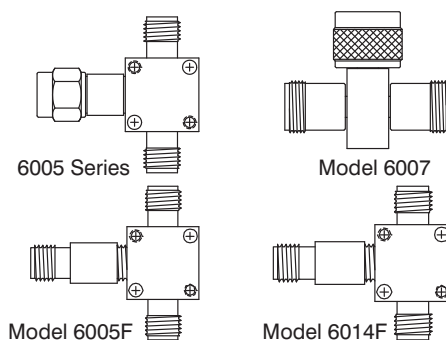
## Short Circuits (also available with chain, add suffix "C")

|      |     |            |
|------|-----|------------|
| 7001 | 18  | N-M        |
| 7002 | 18  | N-F        |
| 7008 | 18  | SMA-M      |
| 7009 | 18  | SMA-F      |
| 7011 | 7.5 | 7/16 DIN-F |
| 7012 | 7.5 | 7/16 DIN-M |
| 7017 | 3   | F-M        |
| 7018 | 3   | F-F        |



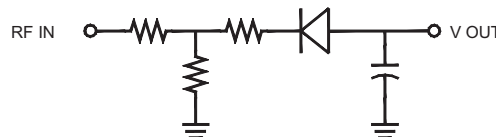
## Power Dividers

|         |      |       |                          |
|---------|------|-------|--------------------------|
| 6007-02 | 12.4 | N     |                          |
| 6007    | 18   | N     |                          |
| 6011-02 | 12.4 | N     |                          |
| 6011    | 18   | N     |                          |
| 6014-01 | 12.4 | SMA   | Also available as 6014 F |
| 6014-02 | 18   | SMA   |                          |
| 6014-03 | 6    | SMA   |                          |
| 6019-02 | 12.4 | TNC   |                          |
| 6019    | 18   | TNC   |                          |
| 6005-01 | 12.4 | 2.9mm | Also available as 6005 F |
| 6005-02 | 18   | 2.9mm |                          |
| 6005-03 | 26.5 | 2.9mm |                          |



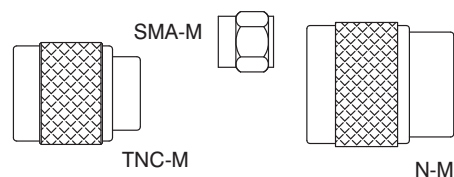
## Zero Bias Schottky Detectors

| MODEL NO. | FREQ. (GHz) | CONNECTOR | Flatness        |
|-----------|-------------|-----------|-----------------|
| 4802S     | 2           | SMA-M/F   | +/- 0.2 dB TYP. |
| 4804S     | 4           | SMA-M/F   | +/- 0.2 dB TYP. |
| 4808S     | 8           | SMA-M/F   | +/- 0.3 dB TYP. |
| 4812S     | 12.4        | SMA-M/F   | +/- 0.3 dB TYP. |



## Dust and Moisture Sealing Caps (also available with chain, add suffix "C")

| MODEL NO.  | CONNECTOR |
|------------|-----------|
| 7602       | TNC-M     |
| 7603       | SMA-M     |
| 7604, 7605 | N-M, N-F  |
| 7606       | 2.4mm-M   |
| 7607       | SMP-F     |



## How to Order

When ordering, state the model number, description of the component and the frequency range as given in the catalog.

You may place your order with the factory, Richardson Electronics, or the Aeroflex / Inmet Sales Representative in your area. Factory orders will be accepted by mail, telephone or other electronic communications pending confirmation on your standard purchase order form. Minimum factory order is \$250.00 and subject to change. Quantity minimums may apply for non-standard or special order products.

Address all orders and communications to:

AEROFLEX / INMET INC.  
300 Dino Drive  
Ann Arbor, MI 48103 USA

Tel.: 888-244-6638 or 734-426-5553

Fax: 734-426-5557

E-mail: [sales@aeroflex-inmet.com](mailto:sales@aeroflex-inmet.com)

Web: [www.aeroflex-inmet.com](http://www.aeroflex-inmet.com)

CAGE Code: 64671

## Payment Terms

Terms are net 30 days for customers with established credit. All other orders must be prepaid, paid by credit card (VISA and MasterCard accepted) or C.O.D.

## Shipping

All sales are F.O.B. Ann Arbor, Michigan. Unless specified in your order, orders will be shipped "best way" at the company's discretion. Aeroflex / Inmet can only guarantee shipping date. Factory does not assume responsibility for carrier delays and cannot be held responsible for late, lost or damaged shipments. All claims must be filed with the carrier.

## Certificate of Compliance

A Certificate of Compliance is shipped with every order. It is located on the reverse side of the packing slip.

## Warranty

Aeroflex / Inmet Corporation warrants each product it manufactures to be free from defects in material and workmanship under normal use and service. Aeroflex / Inmet's only obligation under this warranty is to repair or replace, at its factory, any product or part thereof that is returned, with transportation charges prepaid, by the original purchaser within ONE YEAR from the date of shipment.

The foregoing warranty does not apply to, and in Aeroflex / Inmet's sole opinion, products that have been subject to improper or inadequate maintenance, unauthorized modifications, misuse, or operation outside the published specifications for the product.

The warranty stated above is the sole and exclusive warranty and is in lieu of all other warranties, expressed or implied, including, but not limited to, any implied warranty or fitness for any particular purpose. Aeroflex / Inmet shall not be liable for any direct or consequential injury, loss or damage incurred through the use, or inability to use any Aeroflex / Inmet product.

## Returns

When returning a component to our factory, a Return Material Authorization (RMA) number must be obtained from Aeroflex / Inmet. When contacting us for an RMA number, please indicate the model number, date of the original purchase, the product lot number and the original invoice number for the purchase. Please also include as much information as possible, including test data, pertaining to the nature of the malfunction or reason for the return and point of contact information for your company.

## Cancellations

Orders placed with Inmet may be cancelled only after authorization from Aeroflex / Inmet. Any authorized cancellation is subject to cancellation charges as determined by Aeroflex / Inmet. A component returned for credit will be subject to a restocking charge. If more than 6 months has elapsed since original purchase, the item may not be accepted for credit. Nonstandard components as determined by Aeroflex / Inmet, cannot be returned for credit.

## Product Changes

Although all information in this catalog is current at the time of release, Aeroflex / Inmet continuing Product Improvement Program makes it necessary for Aeroflex / Inmet to reserve the right to change specifications without notice.

## Quality Assurance

Aeroflex / Inmet's goal is to achieve complete customer satisfaction in the design, quality, delivery, pricing and support of our products. We continue to develop and improve our management systems and manufacturing processes in order to meet this goal.

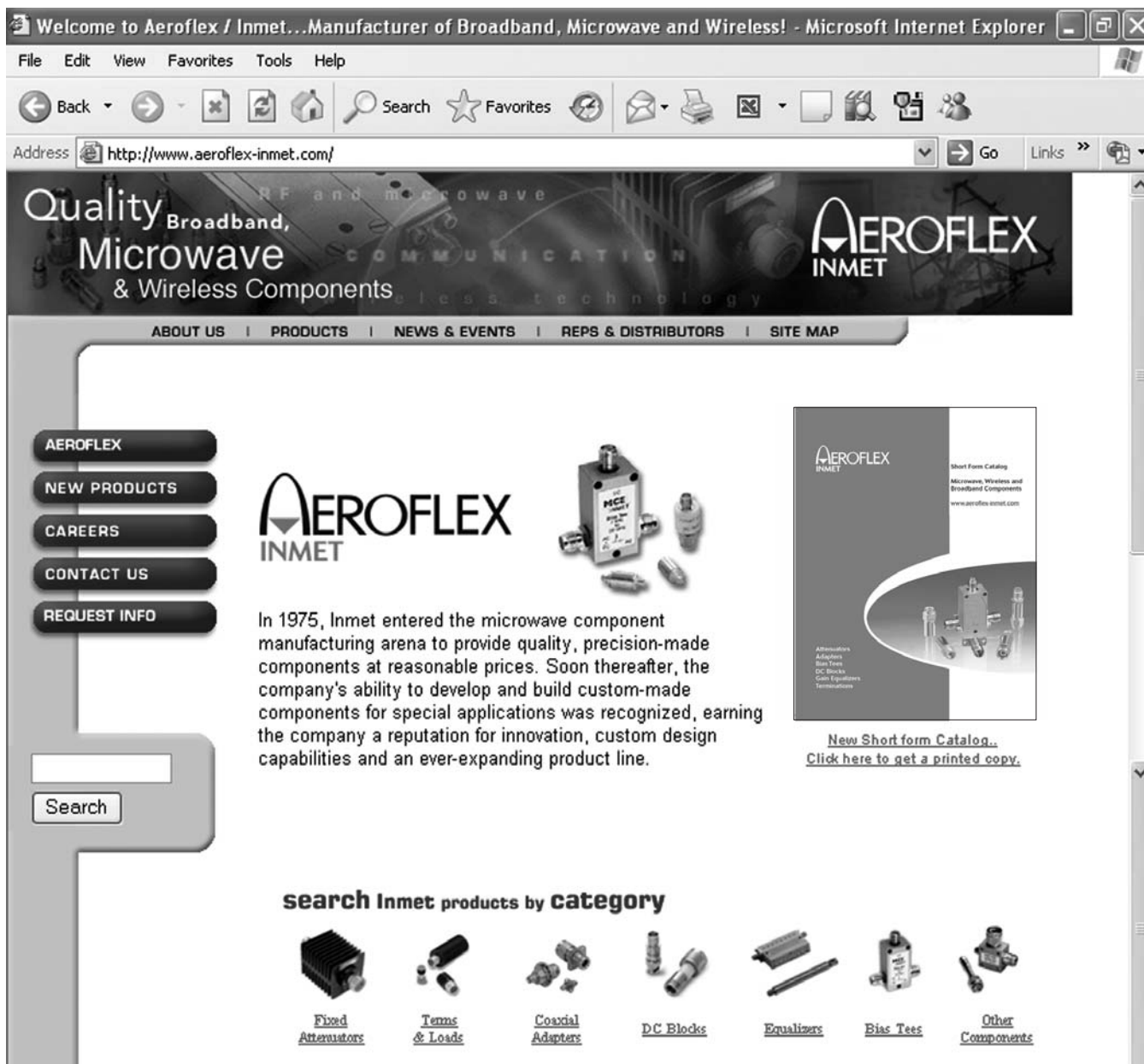
Aeroflex / Inmet's Quality Assurance system is registered to ISO-9001. Our calibration program for inspection and test equipment complies with the requirements of MIL-STD 45662 and ANSI/NCSL Z540-1.



Certificate No. US-1943



Visit our website: [www.aeroflex-inmet.com](http://www.aeroflex-inmet.com)



Inmet's website can keep you up-to-date about Aeroflex-Inmet and it's products. Here's a mini-tour of the site:

**Corporate Information** includes links to our Company Profile, current Corporate News, information on Quality Assurance, names and e-mail addresses of key Corporate Contacts, Directions for the Facility, and Corporate Links to other Aeroflex Companies.

**Product Information** features Aeroflex / Inmet's complete product line. The data sheets for the products listed in this short form catalog are available in PDF format on the website. Revisions and updates to existing data sheets are posted on the site as they become available. And, should you need additional copies of any particular data sheet, go to the website, point, click and print.

**New Products** and information about them, are found here. You will also find data sheets in PDF format on all the new products which are easy to print or download.

**Reps & Distributors** enables you to locate the sales representative serving your area as well as information about Richardson Electronics, our exclusive global Distributor.

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**Favorite Sites** provides links to other internet websites that you may find helpful. Included are links to industry magazines, industry trade shows, university relationships, etc.

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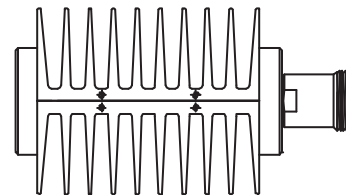


Our passion for performance is defined by three attributes represented by the icons pictured above: solution-minded, performance-driven and customer-focused.

MODEL NO.    FREQ. (GHz)    CONNECTOR    VSWR

## 150 Watt Terminations, Convection Cooled

|            |     |          |        |
|------------|-----|----------|--------|
| TS020-150W | 2.5 | SMA      | 1.25:1 |
| TS040-150W | 4   | SMA      | 1.35:1 |
| TD020-150W | 2.5 | 7/16-DIN | 1.30:1 |
| TD040-150W | 4   | 7/16-DIN | 1.40:1 |
| TN020-150W | 2.5 | Type N   | 1.25:1 |
| TN040-150W | 4   | Type N   | 1.35:1 |
| TB020-150W | 2.5 | BNC      | 1.30:1 |
| TT020-150W | 2.5 | TNC      | 1.25:1 |
| TT040-150W | 4   | TNC      | 1.35:1 |

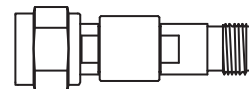


7/16 DIN Shown

MODEL NO.    FREQ. (GHz)    Slope    Connectors

## Equalizers (A Selection of Standard Models)

|        |           |                |                |
|--------|-----------|----------------|----------------|
| EQ1251 | 2-18 GHz  | Negative Slope | SMA/TNC/Type N |
| EQ2301 | .5-18 GHz | Negative Slope | SMA/TNC/Type N |
| EQ2400 | 6-18 GHz  | Negative Slope | SMA/TNC/Type N |
| EQ2401 | 8-18 GHz  | Negative Slope | SMA/TNC/Type N |
| EQ2402 | 2-18 GHz  | Positive Slope | SMA/TNC/Type N |



EQ1251-TNC Shown