

# BIAS TEES

2.9mm, up to 40 GHz, 25 Volts

**RoHS**  
Compliant

## SPECIFICATIONS:

Models: 8810KMF-yy, 8810KFF-yy, 8810KMM-yy, 8810FMX-yy

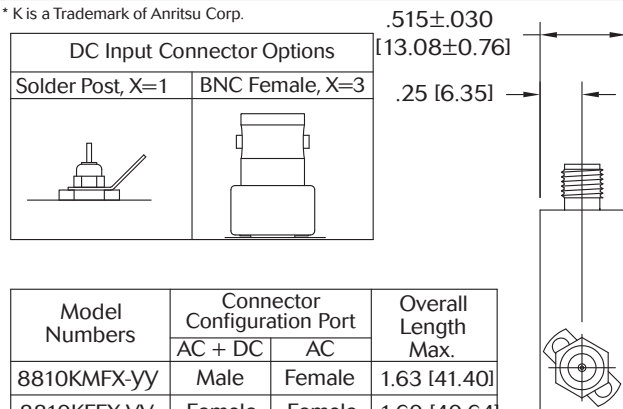
### Electrical:

Frequency Range \_\_\_\_\_ 50 kHz - 40 GHz  
Standard Freq. Values \_\_\_\_\_ 26.5 & 40 GHz  
VSWR \_\_\_\_\_ 1.80:1 Max.  
Insertion Loss  
50 kHz - 18 GHz \_\_\_\_\_ 1.5dB Max.  
18 - 40 GHz \_\_\_\_\_ 3.0dB Max.  
Impedance \_\_\_\_\_ 50 Ohms  
Isolation (RF to Bias Port)  
250 kHz - 26.5 GHz \_\_\_\_\_ 50dB Typical  
100 kHz - 40 GHz \_\_\_\_\_ 30dB Typ.  
DC Voltage \_\_\_\_\_ 25 VDC Max.  
DC Current  
Model 8810KXXX-26 \_\_\_\_\_ 750 mA Max.  
Model 8810KXXX-40 \_\_\_\_\_ 150 mA Max.  
Rise Time (10-90%) \_\_\_\_\_ < 9 pS Typical

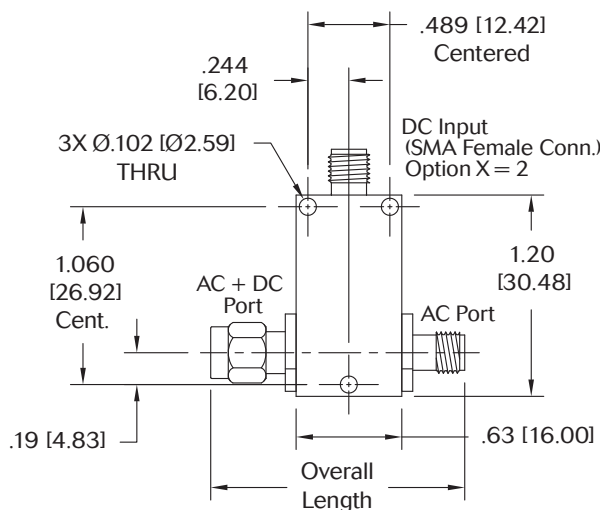
### Mechanical:

2.9mm Connectors \_\_\_\_\_ Passivated Stainless Steel  
Mates with SMA, 3.5mm and K\* Series Connectors  
as well as SMK IAW MIL-STD-348)  
Conductors \_\_\_\_\_ Gold Plated Beryllium Copper  
Housing \_\_\_\_\_ Gold Plated Brass  
SMA Connectors \_\_\_\_\_ Passivated Stainless Steel  
Mates with MIL-STD-348  
BNC Connectors \_\_\_\_\_ Nickel Plated Brass  
Mates with MIL-STD-348

\* K is a Trademark of Anritsu Corp.



Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8810KMF-yy	Male	Female	1.63 [41.40]
8810KFF-yy	Female	Female	1.60 [40.64]
8810KMM-yy	Male	Male	1.75 [44.45]
8810KFMX-yy	Female	Male	1.63 [41.40]



## HOW TO ORDER:

Model Number: **8810KZZX-yy**

Base Number \_\_\_\_\_ Freq. Range  
DC Connector Type \_\_\_\_\_ 26 = 50 kHz - 26.5 GHz  
1 = Solder Post 40 = 50 kHz = 40 GHz  
2 = SMA Female Conn.  
3 = BNC Female Conn.

## Ordering Examples:

Model Number: **8810KFF2-26**  
50 kHz - 26.5 GHz, 2.9mm Fem/Fem  
25 Volts, 750mA Max.  
SMA Female DC Connector Type  
Model Number: **8810KMF1-40**  
50 kHz - 40 GHz, 2.9mm Male/Fem  
25 Volts, 150mA Max.  
Solder Post DC Connector Type

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.  
Design specifications are subject to change without notice.  
Contact factory for technical specifications before purchasing or use.

8810K: REV H



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**AEROFLEX**  
A passion for performance.

Typical performance from 50 kHz - 40 GHz  
INSERTION LOSS vs. FREQUENCY

