

# ATTENUATORS

BNC, DC - 2.5 GHz, 100 Watts

## SPECIFICATIONS:

Models: XBNC100W-XX, XBNC100W-XXF, XBNC100W-XXM

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

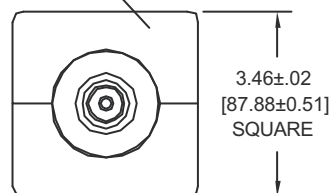
### Electrical:

Frequency Range	DC - 2.5 GHz
Standard dB Values	3, 6, 10, 20, 30 & 40 dB
Attenuation Accuracy	DC - 1.5 GHz 1.5 - 2.5 GHz 2.5 - 4 GHz
3 & 6 dB	$\pm 0.50$ dB $\pm 0.50$ dB $\pm 0.75$ dB
10 dB	$\pm 0.75$ dB $\pm 0.75$ dB $\pm 1.00$ dB
20 & 30 dB	$\pm 0.75$ dB $\pm 0.75$ dB $\pm 1.00$ dB
40 dB	$\pm 1.50$ dB $\pm 1.50$ dB $\pm 1.50$ dB
VSWR (Max.)	1.25:1 1.35:1 1.45:1
Input Power	100 Watts Avg. @ +25°C Derated Linearly to 20 Watts @ +125°C
Output Power	20 Watts
Peak Power	1 kW Max. (5uSec Pulse, .05% Duty Cycle)
Impedance	50 Ohms
Operating Temp Range	-55°C to +125°C

### Mechanical:

BNC Connectors	Nickel Plated Brass
Conductors	Mates with MIL-STD-348 Gold Plated Beryllium Copper
Housing	Anodized Aluminum

Custom Mtg. hole Config.  
may be Added to this  
Surface



END VIEW  
TYPICAL

Units must be Mounted in such a way as to  
Allow for Free Air Flow Around fins to Assure  
Performance

Note: Units are Unidirectional, Therefore Input Connector MUST be Specified & will be Indicated on Unit

Model Number: **2BNC100W-XX**

Male/Female Connectors

Length: 6.55 ±.08 [166.4 ±2.0]

Pictured

Model Number: **2BNC100W-XXF**

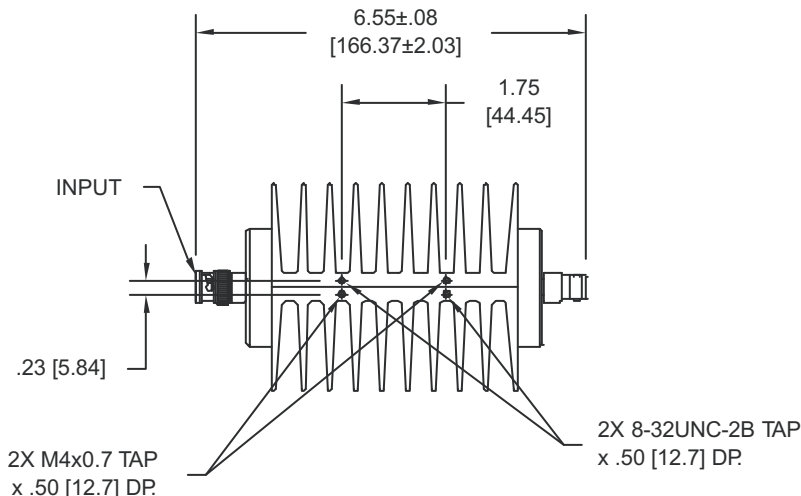
Female/Female Connectors

Length: 6.44 ±.08 [163.6 ±2.0]

Model Number: **2BNC100W-XXM**

Male/Male Connectors

Length: 6.66 ±.08 [169.2 ±2.0]



## HOW TO ORDER:

Model Number: **2BNC100W-XXy**

dB Value

Connector Configuration  
= Male/Female  
(Male Input)  
F = Fem/Fem  
M = Male/Male  
FM = Female/Male  
(Female Input)

### Ordering Examples:

Model Number: **2BNC100W-30**  
DC - 2.5 GHz, 30 dB; BNC, Male/Fem

Model Number: **2BNC100W-03F**  
DC - 2.5 GHz, 3 dB; BNC, Fem/Fem

Model Number: **2BNC100W-20FM**  
DC - 2.5 GHz, 20 dB; BNC, Fem/Male

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.

XBNC100W-ATT: REV A (M)

**AEROFLEX**  
INMET

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