

ATTENUATORS

BNC up to 4 GHz, 100 Watts

SPECIFICATIONS:

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

RoHS
Compliant

AEROFLEX
A passion for performance.

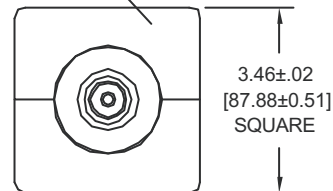
Electrical:

Frequency Range	DC - 4 GHz		
Standard Freq. Values	2.5 & 4 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	±0.50 dB	±0.50 dB	±0.75 dB
10 dB	±0.75 dB	±0.75 dB	±1.00 dB
20 & 30 dB	±0.75 dB	±0.75 dB	±1.00 dB
40 dB	±1.50 dB	±1.50 dB	±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
Mates with MIL-STD-348	
Conductors	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: **XBNC100W-XX**

Male/Female Connectors

Length: 6.55 ±.08 [166.4 ±2.0]

Pictured

Model Number: **XBNC100W-XXF**

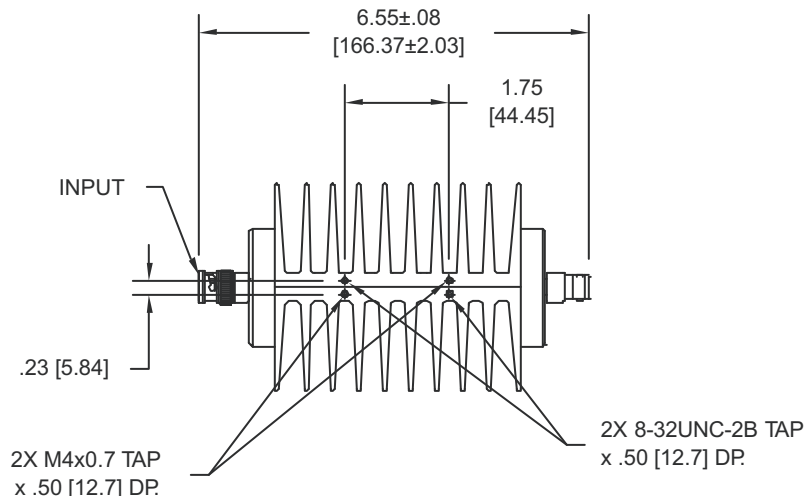
Female/Female Connectors

Length: 6.44 ±.08 [163.6 ±2.0]

Model Number: **XBNC100W-XXM**

Male/Male Connectors

Length: 6.66 ±.08 [169.2 ±2.0]



HOW TO ORDER:

Model Number: **XBNC100W-XXY**

Freq. Range
2 = DC - 2.5 GHz
4 = DC - 4 GHz

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: **4BNC100W-20FM**
DC - 4 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

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