

# ATTENUATORS BNC

UP TO **4 GHz**  
**100 WATTS**

**api**   
technologies corp.  
> INMET

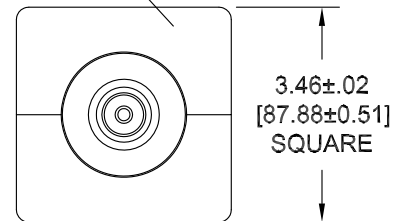
MODELS: XBNC100W-XX, XBNC100W-XXF, XBNC100W-XXM

## SPECIFICATIONS:

### 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

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



**END VIEW  
TYPICAL**

### Mechanical:

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

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

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

Model Number: **XBNC100W-XX**

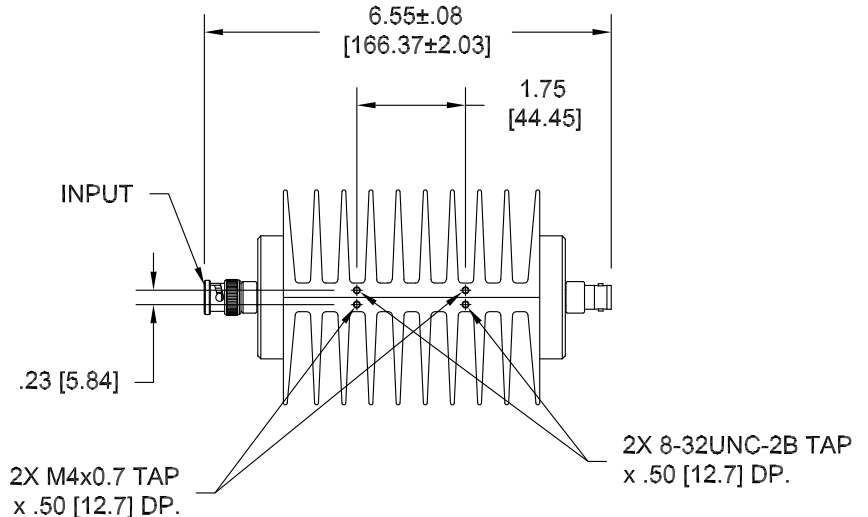
Male/Female Connectors  
Length: 6.55 ±.08 [166.4 ±2.0]  
Pictured

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 Config.  
= 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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