

# ATTENUATORS BNC

UP TO **4 GHz**  
**10 WATTS**



MODELS: XBNC10W-XX, XBNC10W-XXF, XBNC10W-XXM

## SPECIFICATIONS:

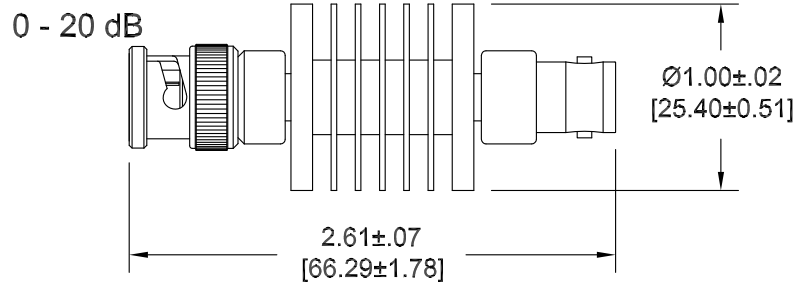
### Electrical:

Frequency Range \_\_\_\_\_ DC - 4.0 GHz  
 Standard Freq. Values \_\_\_\_\_ 2.5 & 4 GHz  
 Standard dB Values \_\_\_\_\_ 0-10, 12, 15, 20, 30 & 40 dB  
 Attenuation Accuracy:  
 DC - 1 GHz \_\_\_\_\_  $\pm 0.7$  dB  
 1 GHz - 4 GHz \_\_\_\_\_  $\pm 1.0$  dB  
 VSWR \_\_\_\_\_ 1.25:1 Max.  
 Input Power \_\_\_\_\_ 10 Watts Avg. @ 25°C  
DERATED LINEARLY TO 2 WATTS @ +125°C  
 Peak Power \_\_\_\_\_ 500 Watts Max.  
(5uSec Pulse, .05% Duty Cycle)  
 Impedance \_\_\_\_\_ 50 Ohms  
 Operating Temp Range \_\_\_\_\_ -65°C to +125°C

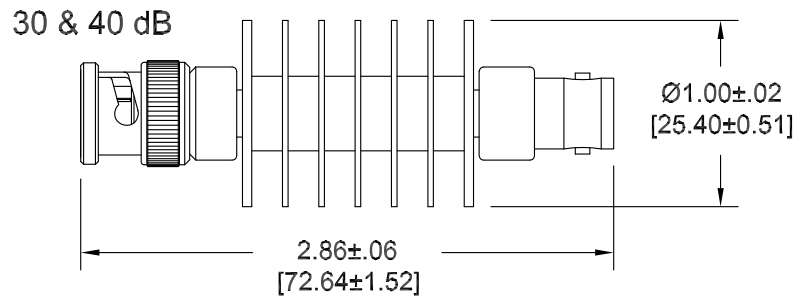
### Mechanical:

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

Model Number: **XBNC10W-XX**  
 Male/Female Connectors  
 0-20 dB Length:  
 2.61  $\pm$  0.07 [66.29  $\pm$  1.78]  
 30 & 40 dB Length:  
 2.86  $\pm$  0.06 [72.64  $\pm$  1.52]  
 Pictured



Model Number: **XBNC10W-XXF**  
 Female/Female Connectors  
 0 - 20 dB Length:  
 2.49  $\pm$  0.04 [63.25  $\pm$  1.02]  
 30 & 40 dB Length:  
 2.74  $\pm$  0.03 [69.6  $\pm$  0.76]



Model Number: **XBNC10W-XXM**  
 Male/Male Connectors  
 0 - 20 dB Length:  
 2.72  $\pm$  0.09 [69.09  $\pm$  2.29]  
 30 & 40 dB Length:  
 2.97  $\pm$  0.08 [75.44  $\pm$  2.03]

## HOW TO ORDER:

Model Number: **XBNC10W-XXY**  
 Freq. Range  $\left\{ \begin{array}{l} \text{2} = \text{DC} - 2.5 \text{ GHz} \\ \text{4} = \text{DC} - 4 \text{ GHz} \end{array} \right.$   
 dB Value  $\left\{ \begin{array}{l} \text{3} = 3 \text{ dB} \\ \text{10} = 10 \text{ dB} \\ \text{30} = 30 \text{ dB} \\ \text{40} = 40 \text{ dB} \end{array} \right.$   
 Connector Config.  $\left\{ \begin{array}{l} \text{F} = \text{Fem/Fem} \\ \text{M} = \text{Male/Male} \end{array} \right.$

## Ordering Examples:

Model Number: **2BNC10W-03**  
 DC - 2.5 GHz; 3 dB; BNC - Male/Fem  
 Model Number: **2BNC10W-10F**  
 DC - 2.5 GHz; 10 dB; BNC - Fem/Fem  
 Model Number: **4BNC10W-30M**  
 DC - 4 GHz; 30 dB; BNC - Male/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.

XBNC10W-ATT; REV J