

# ATTENUATORS

## BNC, DC - 4 GHz, 20 Watts

### SPECIFICATIONS:

Models: XBNC20W-XX, XBNC20W-XXF, XBNC20W-XXM

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

#### Electrical:

Frequency Range \_\_\_\_\_ DC - 4 GHz  
Standard Freq. Values \_\_\_\_\_ 2.5 & 4 GHz  
Standard dB Values \_\_\_\_\_ 0, 3, 6, 10, 20, 30 & 40 dB

#### Attenuation Accuracy

3 & 6 dB \_\_\_\_\_  $\pm 0.30$  dB  
10 & 20 dB \_\_\_\_\_  $\pm 0.50$  dB  
30 & 40 dB \_\_\_\_\_  $\pm 0.75$  dB

VSWR \_\_\_\_\_ 1.25:1 Max.

Input Power \_\_\_\_\_ 20 Watts Avg. @ 25°C  
Derated Linearly to 4 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  
Mates with MIL-STD-348

Conductors \_\_\_\_\_ Gold Plated Beryllium Copper

Housing \_\_\_\_\_ Anodized Aluminum

Model Number: **XBNC20W-XX**

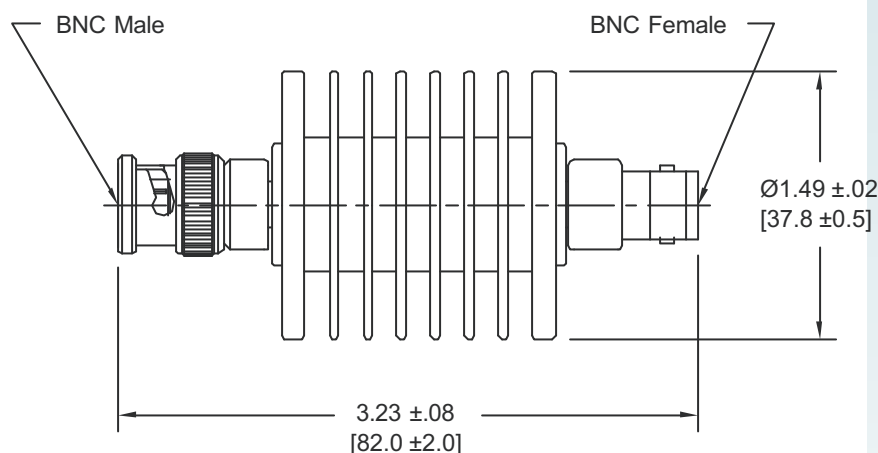
Male/Female Connectors  
LENGTH:  $3.23 \pm 0.08$  [82.0  $\pm 2.0$ ]  
Pictured

Model Number: **XBNC20W-XXF**

Female/Female Connectors  
LENGTH:  $3.35 \pm 0.08$  [85.1  $\pm 2.0$ ]

Model Number: **XBNC20W-XXM**

Male/Male Connectors  
LENGTH:  $3.12 \pm 0.08$  [79.2  $\pm 2.0$ ]



### HOW TO ORDER:

Model Number: **XBNC20W-XXY**

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

Connector Configuration  
= Male/Female  
F = Fem/Fem  
M = Male/Male

dB Value

#### Ordering Examples:

Model Number: **4BNC20W-20**  
DC - 4 GHz; 20 dB; BNC - Male/Fem

Model Number: **2BNC20W-03F**  
DC - 2.5 GHz; 3 dB; BNC - Fem/Fem

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.

4BNC20W-ATT: REV C

**AEROFLEX**  
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