

ATTENUATORS

SMA, up to 18 GHz, 10 Watts

SPECIFICATIONS:

Models: XXB10W-XX, XXB10W-XXF & XXB10W-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range _____ DC - 18 GHz
Standard Freq. Values _____ 6, & 18 GHz
Standard dB Values* _____ 0 - 10, 12, 20, 30 & 40 dB
In 1 dB Increments

Attenuation Accuracy _____ DC - 12.4 GHz 12.4 - 18 GHz
0 - 6 dB _____ ± 0.3 dB _____ ± 0.5 dB
7 - 20 dB _____ ± 0.5 dB _____ ± 0.7 dB
21 - 40 dB _____ ± 0.7 dB _____ ± 1.0 dB

VSWR

DC - 6 GHz _____ 1.20:1 Max.
6 - 12.4 GHz _____ 1.30:1 Max.
12.4 - 18 GHz _____ 1.40:1 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:

SMA Connectors _____ Passivated Stainless Steel
Mates with MILSTD-348
Conductors _____ Gold Plated Beryllium Copper
Housing _____ Anodized Aluminum

Model Number: **XXB10W-XX**

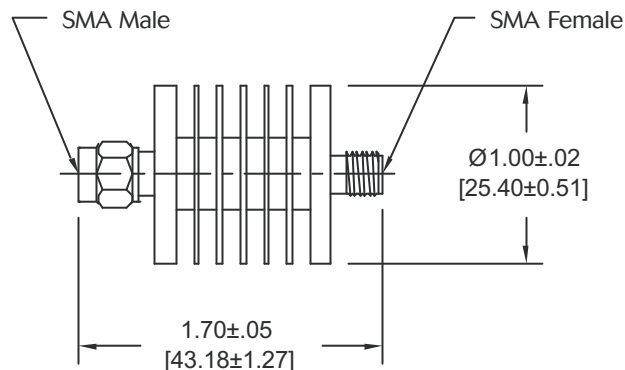
Male/Female Connectors
Length: 1.70 $\pm$.05 [43.2 $\pm$ 1.3]
Pictured

Model Number: **XXB10W-XXF**

Female/Female Connectors
Length: 1.57 $\pm$.05 [39.9 $\pm$ 1.3]

Model Number: **XXB10W-XXM**

Male/Male Connectors
Length: 1.84 $\pm$.05 [46.7 $\pm$ 1.3]



HOW TO ORDER:

Model Number: **XXB10W-XXY**

Freq. Range
6 = DC - 6 GHz
18 = DC - 18 GHz

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

dB Value

Ordering Examples:

Model Number: **18B10W-20**
DC - 18 GHz; 20 dB; SMA - Male/Fem

Model Number: **6B10W-06F**
DC - 6 GHz; 6 dB; SMA - Fem/Fem

Model Number: **18B10W-03M**
DC - 18 GHz; 3 dB; SMA - Male/Male

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

*Other dB values, units that operate over a more specific frequency band and/or offer very low return loss (VSWR) are also available.

XXB10W-ATT: REV M (M)

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