

ATTENUATORS

SMA, up to 18 GHz, 10 Watts

SPECIFICATIONS:

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

RoHS
Compliant

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. (5µSec Pulse, .05% Duty Cycle)
Impedance _____	50 Ohms
Operating Temp Range _____	-65°C to +125°C
Mechanical:	
SMA Connectors _____	Passivated Stainless Steel Mates with MIL-STD-348
Conductors _____	Gold Plated Beryllium Copper
Housing _____	Anodized Aluminum

Model Number: **XXB10W-XX**

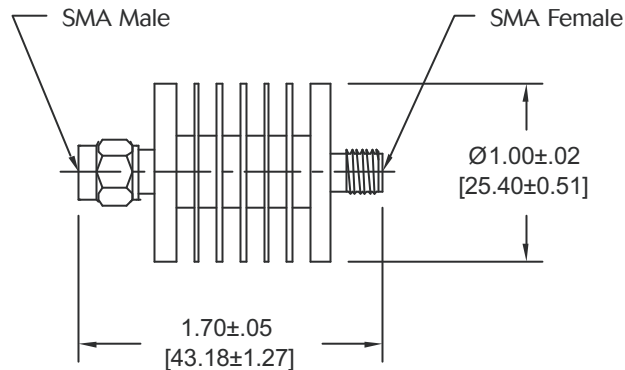
Male/Female Connectors
Length: 1.70 ±.05 [43.2 ±1.3]
Pictured

Model Number: **XXB10W-XXF**

Female/Female Connectors
Length: 1.57 ±.05 [39.9 ±1.3]

Model Number: **XXB10W-XXM**

Male/Male Connectors
Length: 1.84 ±.05 [46.7 ±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)



Aeroflex / Inmet, Inc. • 300 Dino Drive, Ann Arbor, MI 48103 • U.S.A.
888-244-6638 or 734-426-5553 • FAX: 734-426-5557
www.aeroflex.com/inmet • inmet-sales@eroflex.com