

# ATTENUATORS

SMA, up to 18 GHz, 10 Watts

## SPECIFICATIONS:

Models: XXB 10W-XX, XXB 10W-XXF & XXB 10W-XXM

**RoHS**  
Compliant

<b>Electrical:</b>		
Frequency Range	DC - 18 GHz	
Standard Freq. Values	2.5, 6, 12.4 & 18 GHz	
Standard dB Values	0 - 10, 12, 20, 30 & 40 dB In 1dB 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
<b>VSWR</b>		
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	
<b>Mechanical:</b>		
SMA Connectors	Passivated Stainless Steel Mates with MIL-STD-348	
Conductors	Gold Plated Beryllium Copper	
Housing	Anodized Aluminum	



Model Number: **XXB 10W-XX**

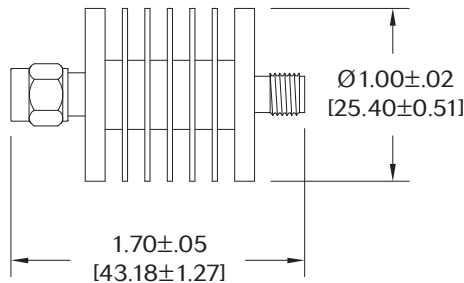
Male/Female Connectors

0-20 dB Length: 1.70 ±.05 [43.2 ±1.3]

30&40 dB Length: 1.95 ±.05 [49.5 ±1.3]

Pictured

0 - 20 dB



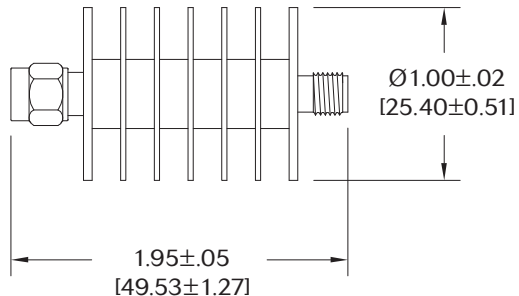
Model Number: **XXB 10W-XXF**

Female/Female Connectors

0-20 dB Length: 1.57 ±.05 [39.9 ±1.3]

30&40 dB Length: 1.82 ±.05 [46.2 ±1.3]

30 & 40 dB



Model Number: **XXB 10W-XXM**

Male/Male Connectors

0-20 dB Length: 1.83 ±.05 [46.5 ±1.3]

30&40 dB Length: 2.07 ±.05 [52.6 ±1.3]

## HOW TO ORDER:

Model Number: **XXB 10W-XXY** -

Freq. Range

- 2 = DC - 2.5 GHz
- 6 = DC - 6 GHz
- 12 = DC - 12.4 GHz
- 18 = DC - 18 GHz

Connector Configuration

- = Male/Female
- F = Fem/Fem
- M = Male/Male

dB Value

## Ordering Examples:

Model Number: **18B 10W-20**  
DC - 18 GHz; 20 dB; SMA - Male/Fem

Model Number: **6B 10W-06F**  
DC - 6 GHz; 6 dB; SMA - Fem/Fem

Model Number: **12B 10W-03M**  
DC - 12.4 GHz; 3 dB; SMA - 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.

XXB 10W-ATT: REV N



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