

# ATTENUATORS

## SMA

up to 18 GHz  
5 Watts



MODELS: 18B5W-XX, 18B5W-XXF & 18B5W-XXM

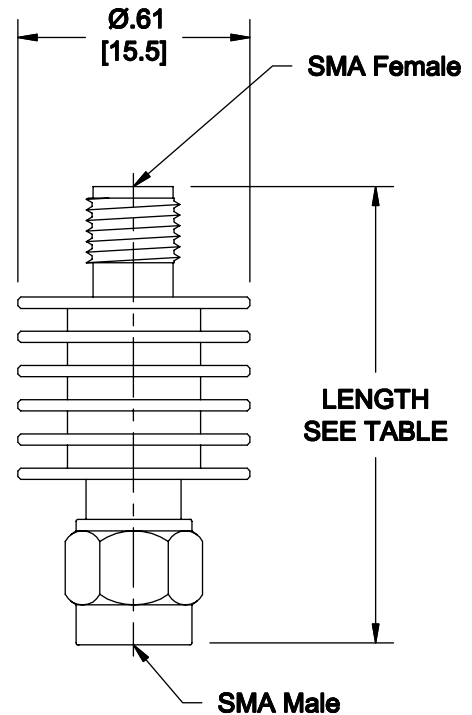
### SPECIFICATIONS:

#### Electrical:

Frequency Range \_\_\_\_\_ DC - 18 GHz  
 Standard Freq. Values \_\_\_\_\_ 4, 6, 12.4 & 18 GHz  
 Standard dB Values\* \_\_\_\_\_ 0 - 10, 12, 15, 20, 30, 40, 50 & 60 dB  
In 1dB Increments  
 Attenuation Accuracy \_\_\_\_\_  
 0 - 6 dB \_\_\_\_\_ ±0.3 dB  
 7 - 20 dB \_\_\_\_\_ ±0.5 dB  
 21 - 30 dB \_\_\_\_\_ ±0.75 dB  
 31 - 60 dB \_\_\_\_\_ ±1.5 dB  
 VSWR \_\_\_\_\_  
 DC - 4 GHz \_\_\_\_\_ 1.15:1 Max.  
 4 - 8 GHz \_\_\_\_\_ 1.20:1 Max.  
 8 - 12.4 GHz \_\_\_\_\_ 1.25:1 Max.  
 12.4 - 18 GHz \_\_\_\_\_ 1.35:1 Max.  
 Input Power \_\_\_\_\_ 5 Watts Avg. @ 25°C  
DERATED LINEARLY TO 1 WATT @ +125°C  
 Peak Power \_\_\_\_\_ 250 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 MIL-STD-348  
 Conductors \_\_\_\_\_ Gold Plated Beryllium Copper  
 Housing \_\_\_\_\_ Anodized Aluminum



Connector Configuration	LENGTH			
	0 - 30 & 40dB		31 - 60 dB (Except 40dB)	
	Inches	Millimeters	Inches	Millimeters
Male/Female	1.20 ±.05	[30.5 ±1.3]	1.49 ±.05	[37.8 ±1.3]
Male/Male	1.33 ±.05	[33.8 ±1.3]	1.61 ±.05	[40.9 ±1.3]
Female/Female	1.06 ±.05	[26.9 ±1.3]	1.35 ±.05	[34.3 ±1.3]

### HOW TO ORDER:

Model Number: **XXB5W-XXY**

Freq. Range

4 = DC - 4 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: **4B5W-20**

DC - 4 GHz, 20 dB; SMA - Male/Fem

Model Number: **18B5W-06F**

DC - 18 GHz, 6 dB; SMA - Fem/Fem

Model Number: **12B5W-03M**

DC - 12.4 GHz, 3 dB; SMA - Male/Male

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

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

XXB5W-ATT; REV K