

# 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 dB  
 Attenuation Accuracy \_\_\_\_\_ In 1dB Increments  
 0 - 6 dB \_\_\_\_\_ ±0.3 dB  
 7 - 20 dB \_\_\_\_\_ ±0.5 dB  
 21 - 30 dB \_\_\_\_\_ ±0.75 dB  
 40 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

Impedance \_\_\_\_\_ 50 Ohms

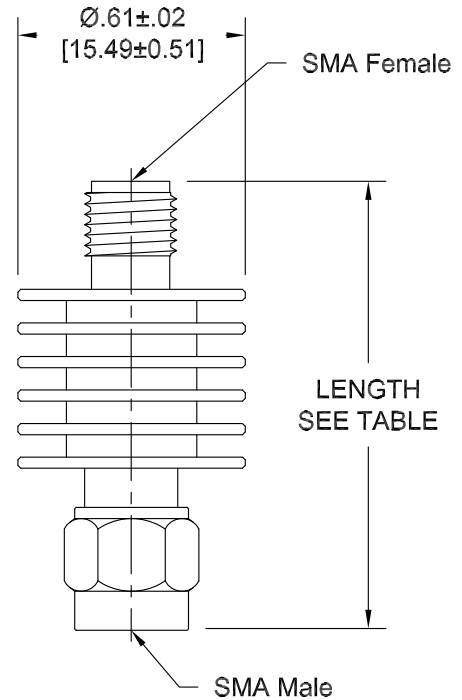
Operating Temp Range \_\_\_\_\_ -65°C to +125°C

### 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	
	Inches	Millimeters
Male/Female	1.20 ±.05	[30.5 ±1.3]
Male/Male	1.33 ±.05	[33.8 ±1.3]
Female/Female	1.06 ±.05	[26.9 ±1.3]

## HOW TO ORDER:

Model Number: **XXB5W-XXY**

dB Value \_\_\_\_\_  
 Freq. Range \_\_\_\_\_  
 4 = DC - 4 GHz  
 6 = DC - 6 GHz  
 12 = DC - 12.4 GHz  
 18 = DC - 18 GHz

Connector Config. \_\_\_\_\_  
 F = Male/Female  
 F = Fem/Fem  
 M = Male/Male

## 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.

Design specifications are subject to change without notice.

Contact factory for technical specifications before purchasing or use.

XXB5W-ATT; REV P

300 Dino Drive • Ann Arbor, MI 48103-9457 U.S.A. • 888-244-6638 or 734-426-5553 • FAX 734-426-5557 • inmet.apitech.com