

ATTENUATORS

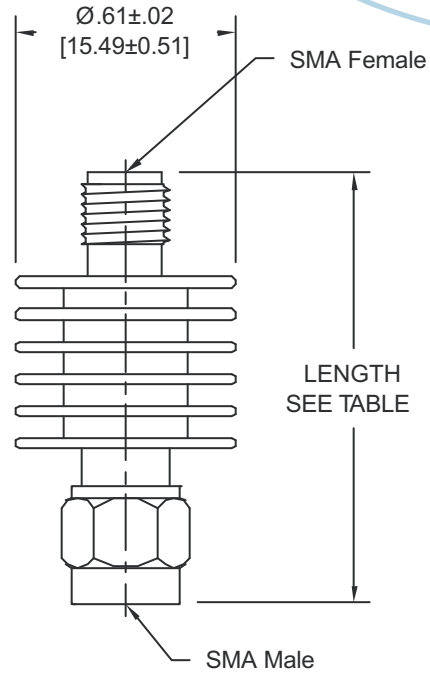
SMA, up to 18 GHz, 5 Watts

SPECIFICATIONS:

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

RoHS
Compliant

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 1 dB 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**

Freq. Range $\left\{ \begin{array}{l} 4 - \text{DC} - 4 \text{ GHz} \\ 6 = \text{DC} - 6 \text{ GHz} \\ 12 = \text{DC} - 12.4 \text{ GHz} \\ 18 = \text{DC} - 18 \text{ GHz} \end{array} \right.$

Connector Configuration $\left\{ \begin{array}{l} = \text{Male/Female} \\ \text{F} = \text{Fem/Fem} \\ \text{M} = \text{Male/Male} \end{array} \right.$

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

XXB5W-ATT: REV N



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