

ATTENUATORS

SMA, up to 18 GHz, 5 Watts

SPECIFICATIONS:

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

RoHS
Compliant

AEROFLEX
A passion for performance.

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
In 1 dB Increments

Attenuation Accuracy

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

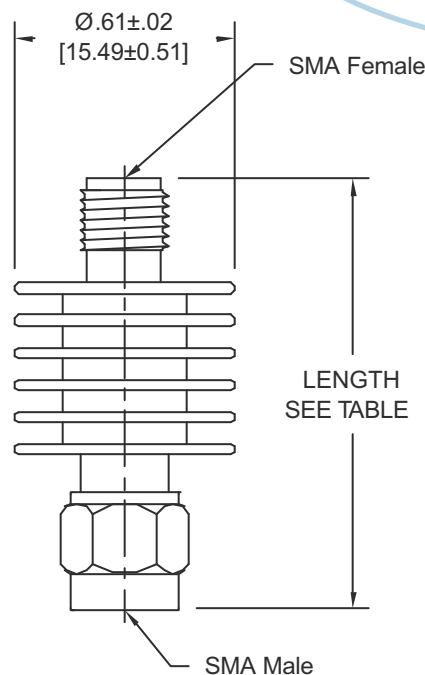
Operating Temp Range _____ -65°C to +125°C

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
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, 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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