

ATTENUATORS SMA

UP TO **18 GHz**
5 WATTS

api 
technologies corp.
> INMET

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

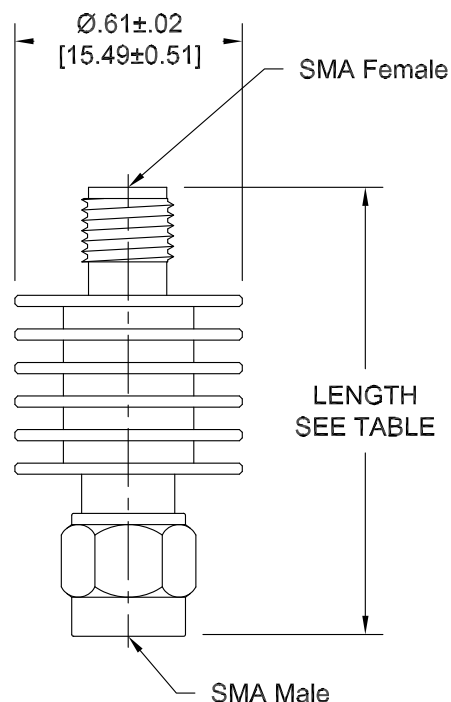
Operating Temp Range _____ -65°C to +125°C

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 ± 0.05	[30.5 ± 1.3]
Male/Male	1.33 ± 0.05	[33.8 ± 1.3]
Female/Female	1.06 ± 0.05	[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 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

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