

# B ATTENUATORS

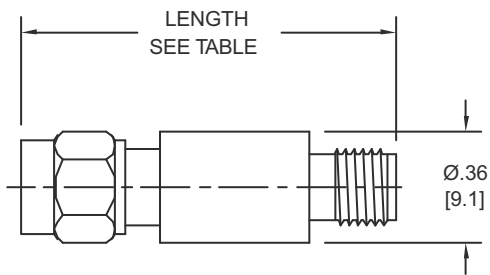
## SMA, up to 18 GHz, 2 Watts

### SPECIFICATIONS:

Models: B

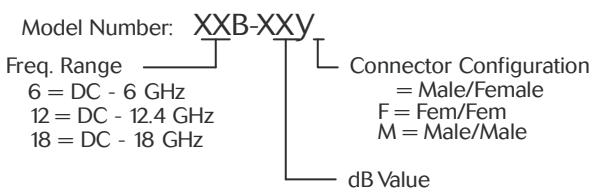
**RoHS**  
Compliant

<b>Electrical:</b>	
Frequency Range _____	DC - 18.0 GHz
Standard Freq. Values _____	2.5, 6, 12.4, & 18 GHz
Standard dB Values* _____	0 - 10, 12, 15, 20, 30, 40, 50, & 60 dB
In 1 dB Increments	
Attenuation Accuracy	
0 - 6 dB _____	±0.3 dB
7 - 10, 12, 15 & 20 dB _____	±0.5 dB
30 dB _____	±0.75 dB
40, 50 & 60 dB _____	±1.50 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 _____	2 Watts Avg. @ 25°C
Derated Linearly to 0.5 Watts @ +125°C	
Peak Power _____	250 Watts Max.
(5µSec Pulse, .05% Duty Cycle)	
Impedance _____	50 Ohms
Operating Temp Range _____	-65°C to +125°C
<b>Mechanical:</b>	
SMA Connectors _____	Passivated Stainless Steel
Mates with MIL-STD-348	
Conductors _____	Gold Plated Beryllium Copper



Connector Configuration	LENGTH			
	0 - 30 & 40 dB		31- 60 dB (except 40dB)	
	Inches	Millimeters	Inches	Millimeters
Male/Female	1.21 ±.03	[30.7 ±0.8]	1.49 ±.03	[37.8 ±0.8]
Male/Male	1.33 ±.03	[33.8 ±0.8]	1.62 ±.03	[41.1 ±0.8]
Female/Female	1.06 ±.03	[26.9 ±0.8]	1.35 ±.03	[34.3 ±0.8]

### HOW TO ORDER:



### Ordering Examples:

- Model Number: **18B-20**  
DC - 18 GHz; 20 dB; SMA - Male/Fem
- Model Number: **12B-6F**  
DC - 12.4 GHz; 6 dB; SMA - Fem/Fem
- Model Number: **6B-3M**  
DC - 6 GHz; 3 dB; SMA - Male/Male

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

18B-ATT: REV K



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