

# B ATTENUATORS

SMA, up to 18 GHz, 2 Watts

## SPECIFICATIONS:

Models: B

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

### Electrical:

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 \_\_\_\_\_  $\pm 0.3$  dB  
7 - 10, 12, 15 & 20 dB \_\_\_\_\_  $\pm 0.5$  dB  
30 dB \_\_\_\_\_  $\pm 0.75$  dB  
40, 50 & 60 dB \_\_\_\_\_  $\pm 1.50$  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.  
(5uSec Pulse, .05% Duty Cycle)

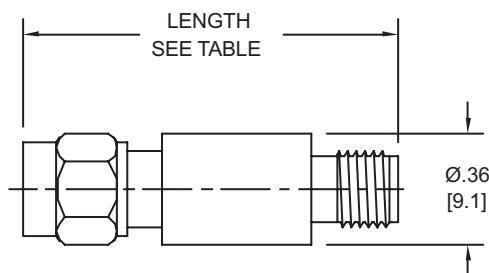
Impedance \_\_\_\_\_ 50 Ohms

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

### Mechanical:

SMA Connectors \_\_\_\_\_ Passivated Stainless Steel  
Mates with MIL-STD-348

Conductors \_\_\_\_\_ Gold Plated Beryllium Copper



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

## HOW TO ORDER:

Model Number: **XXB-XXY**

Freq. Range \_\_\_\_\_  
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: **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

**AEROFLEX**  
INMET

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