B ATTENUATORS
SMA

UP TO 18 GHz
2 WATTS

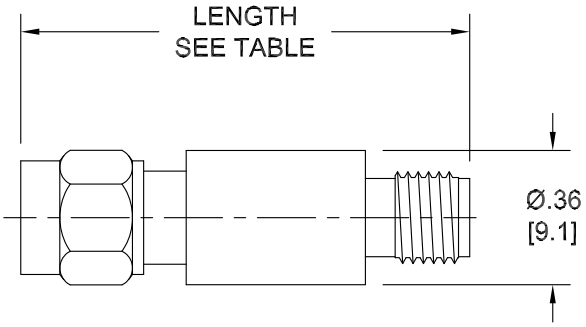
api technologies corp. > INMET

MODELS: B

SPECIFICATIONS:

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 ____ ±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.
(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 ±.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:

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.
Design specifications are subject to change without notice.
Contact factory for technical specifications before purchasing or use.

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