

Attenuators SMA

Models: 18B10W-XX, 18B10W-XXF & 18B10W-XXM

**up to 18.0 GHz
10 Watts**

Specifications

Electrical

Frequency Range: DC - 18 GHz
Standard Freq. Value: 18 GHz
Standard dB Values: 0 - 10, 12, 20, 30 & 40 dB
 in 1 dB Increments

Attenuation Accuracy:

0 - 6 dB	±0.3 dB	±0.5 dB
7 - 20 dB	±0.5 dB	±0.7 dB
21 - 40 dB	±0.7 dB	±1.0 dB

VSWR:

DC - 6 GHz	1.20:1 Max.
6 - 12.4 GHz	1.30:1 Max.
12.4 - 18 GHz	1.40:1 Max.

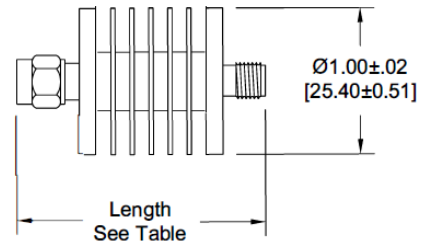
Input Power: 10 Watts Avg. @ 25 °C
 Derated Linearly to 2 Watts @ + 125 C
Peak Power: 500 Watts Max.
 (5uSec Pulse, .05% Duty Cycle)

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
Housing: Anodized Aluminum



Connector Configuration	Length			
	0 - 20 dB		30 & 40 dB	
	Inches	Millimeters	Inches	Millimeters
Male/Female	1.70 ± .05	[43.2 ± 1.3]	1.95 ± .05	[49.5 ± 1.3]
Male/Male	1.83 ± .05	[46.5 ± 1.3]	2.07 ± .05	[52.6 ± 1.3]
Female/Female	1.57 ± .05	[39.9 ± 1.3]	1.82 ± .05	[46.2 ± 1.3]

How to Order

Model Number: **XXB10W-**
 XXY Freq. Range
 18 = DC - 18 GHz
 dB Value
 Connector Configuration
 = Male/Female
 F = Fem/Fem
 M = Male/Male

Ordering Example:

Model Number: 18B10W-20
 DC - 18 GHz; 20 dB; Male/Fem

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.