

ATTENUATORS SMA

**UP TO 18 GHz
10 WATTS**



MODELS: XXB10W-XX, XXB10W-XXF & XXB10W-XXM

SPECIFICATIONS:

Electrical:

Frequency Range _____ DC - 18 GHz
 Standard Freq. Values _____ 2.5, 6, 12.4 & 18 GHz
 Standard dB Values _____ 0 - 10, 12, 20, 30 & 40 dB
In 1dB Increments

Attenuation Accuracy DC - 12.4 GHz 12.4 - 18 GHz
 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

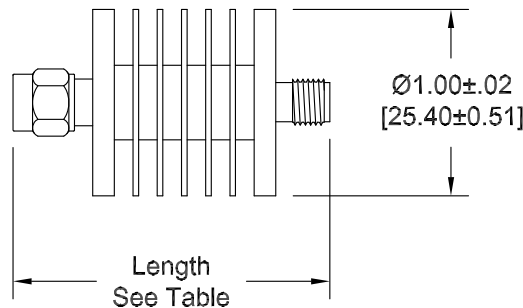
Mechanical:

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
 2 = DC - 2.5 GHz
 6 = DC - 6 GHz
 12 = DC - 12.4 GHz
 18 = DC - 18 GHz

Connector Config.
 = Male/Female
 F = Fem/Fem
 M = Male/Male
 dB Value

Ordering Examples:

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

Model Number: **6B10W-06F**
 DC - 6 GHz; 6 dB; Fem/Fem

Model Number: **12B10W-03M**
 DC - 12.4 GHz; 3 dB; 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.

XXB10W-ATT; REV N

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