

ATTENUATORS

SMA, up to 18 GHz, 20 Watts



SPECIFICATIONS:

Models: **XXB20W-XX**, **XXB20W-XXF**, **XXB20W-XXM**

Electrical:			
Frequency Range	_____ DC - 18.0 GHz		
Standard Freq. Values	_____ 6, 12.4 & 18 GHz		
Standard dB Values*	_____ 3, 6, 10, 20, 30 & 40 dB		
Attenuation Accuracy	DC - 6 GHz	6 - 12.4 GHz	12.4 - 18 GHz
3 & 6 dB	_____ ±0.30 dB	_____ ±0.50 dB	_____ ±0.75 dB
10 & 20 dB	_____ ±0.50 dB	_____ ±0.75 dB	_____ ±1.00 dB
30 & 40 dB	_____ ±0.75 dB	_____ ±1.00 dB	_____ ±1.50 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	_____ 20 Watts Avg. @ 25°C		
	Derated Linearly to 4 Watts @ +125°C		
Peak Power	_____ 500 Watts Max.		
	(5µSec 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		

Model Number: **XXB20W-XX**

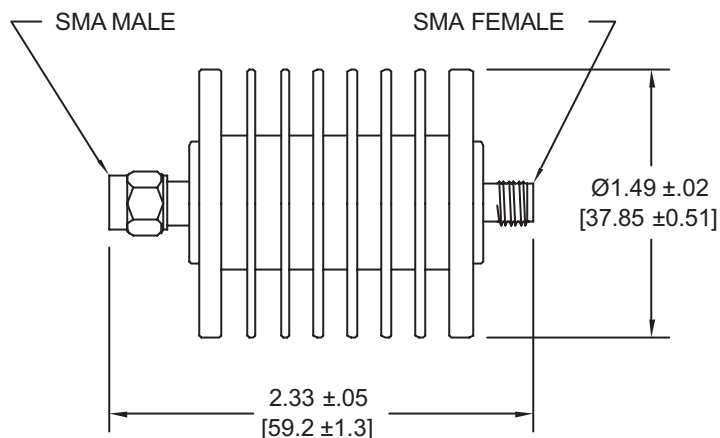
Male/Female Connectors
Length: 2.33 ±0.05 [59.2 ±1.3]
Pictured

Model Number: **XXB20W-XXF**

Female/Female Connectors
Length: 2.20 ±0.05 [55.9 ±1.3]

Model Number: **XXB20W-XXM**

Male/Male Connectors
Length: 2.46 ±0.05 [62.5 ±1.3]



HOW TO ORDER:

Model Number: **XXB20W-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: **18B20W-20**
DC - 18 GHz; 20 dB; SMA - Male/Fem

Model Number: **6B20W-02F**
DC - 6 GHz; 2 dB; SMA - Fem/Fem

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
*Other dB units are also available. Units that operate over a more specific frequency band and/or offer very low return loss (VSWR) are available.

XXB20W-XX: REV B



Aeroflex / Inmet, Inc. • 300 Dino Drive, Ann Arbor, MI 48103 • U.S.A.
888-244-6638 or 734-426-5553 • FAX: 734-426-5557
www.aeroflex-inmetcorp.com • sales@eroflex-inmetcorp.com