

Attenuators SMA

**up to 18 GHz
20 Watts**

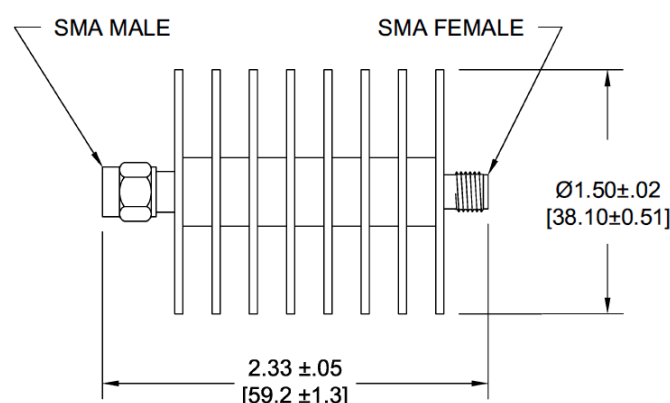
MODELS: 18B20W-XX, 18B20W-XXF & 18B20W-XXM

Technical Specifications

Parameter	Value		
Electrical			
Frequency Range	DC – 18 GHz		
Standard dB Values	0, 3, 6, 10, 20, 30, & 40 dB		
Attenuation Accuracy	DC – 6 GHZ	6 – 12.4 GHZ	12.4 – 18 GHZ
3 & 6 dB	±0.3 dB	±0.5 dB	±0.75 dB
10 & 20 dB	±0.5 dB	±0.75 dB	±1.0 dB
30 & 40 dB	±0.75 dB	±1.0 dB	±1.5 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 Average @ 25°C Derated linearity to 4 watts @ +125°C		
Peak Power	500 Watts max. (5µSec pulse, 0.05% duty cycle)		
Impedance	50 Ohms		
Operation Temp. Range	-65°C to +125°C		

Parameter	Value
<i>Mechanical</i>	
SMA Connectors Mates with MIL-STD-348	Passive Stainless Steel
Conductors	Gold Plated Beryllium Copper
Housing	Anodized Aluminum

Connector Configuration	Inches	Millimeters
Male/Female – 18B20W-XX	2.33 ± .05	[59.2 ± 1.3]
Female/Female – 18B20W-XXF	2.20 ± .05	[55.9 ± 1.3]
Male/Male – 18B20W-XXM	2.46 ± .05	[62.5 ± 1.3]



How To Order

Model #: **18B20W-XXY**

dB Value

Connector Configuration
 = Male/Female
 F = Female/Female
 M = Male/Male

Order Example

Model number: 18B20W-20
 DC-18 GHz, 20 dB, SMA male/female

**Dimensions in brackets are expressed in millimeters and are for reference only.

sales@am.spectrumcontrol.com

Approved for Release: November 2024/Brown

Spectrum Control reserves the right to make changes to datasheets at any time without notice.