ATTENUATORS
SMA

UP TO 18 GHz
20 WATTS

api technologies corp. > INMET

MODELS: XXB20W–XX, XXB20W–XXF & XXB20W–XXM

SPECIFICATIONS:

Electrical:

Frequency Range	DC – 18.0 GHz
Standard Freq. Values	2.5, 6, 12.4 & 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	±0.30 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. (5uSec Pulse, .05% Duty Cycle)
Impedance	50 Ohms
Operating Temp Range	–65°C to +125°C

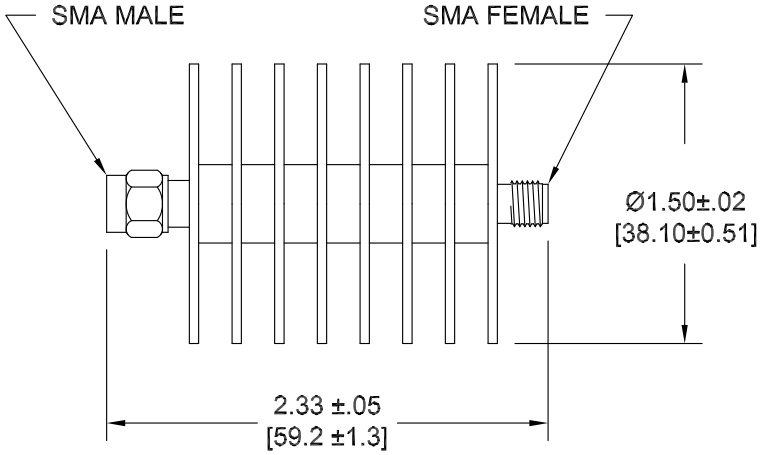
Mechanical:

SMA Connectors Mates with MIL–STD–348	Passivated Stainless Steel
Conductors	Gold Plated Beryllium Copper
Housing	Anodized Aluminum

Model Number: **XXB20W-XX**
Male/Female Connectors
Length: 2.33 ±.05 [59.2 ±1.3]
Pictured

Model Number: **XXB20W-XXF**
Female/Female Connectors
Length: 2.20 ±.05 [55.9 ±1.3]

Model Number: **XXB20W-XXM**
Male/Male Connectors
Length: 2.46 ±.05 [62.5 ±1.3]



HOW TO ORDER:

Model Number: XXB20W-XXY
(XX = Freq. Range; Y = Connector Configuration; dB Value)

Freq. Range
- 2 = DC – 2.5 GHz
- 6 = DC – 6 GHz
- 12 = DC – 12.4 GHz
- 18 = DC – 18 GHz

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

Ordering Examples:

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

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

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