

ATTENUATORS

SMA, up to 18 GHz, 20 Watts

SPECIFICATIONS:

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

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range _____ DC - 18.0 GHz
Standard Freq. Values _____ 6, & 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 _____ Passivated Stainless Steel
Mates with MIL-STD-348
Conductors _____ Gold Plated Beryllium Copper
Housing _____ Anodized Aluminum

Model Number: **XXB20W-XX**

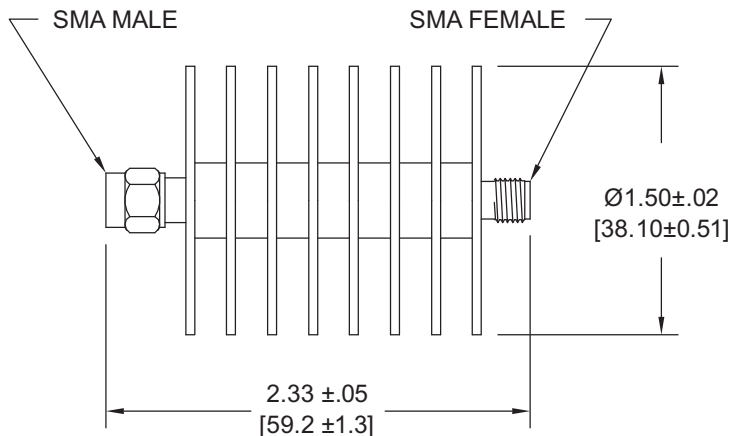
Male/Female Connectors
Length: 2.33 ± 0.05 [59.2 ± 1.3]
Pictured

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
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.
Design specifications are subject to change without notice.
Contact factory for technical specifications before purchasing or use.

XXB20W-XX: REV E (M)

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