

ATTENUATORS SMA

UP TO 18 GHz
50 WATTS

api 
technologies corp.
> INMET

MODELS: XXB50WR-XX, XXB50WR-XXF, XXB50WR-XXM, XXB50WR-XXFM

SPECIFICATIONS:

Electrical:

Frequency Range _____ DC - 18.0 GHz
Standard Freq. Values _____ 2.5, 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 _____ ± 0.75 dB _____ ± 0.75 dB _____ ± 0.75 dB
10 & 20 dB _____ ± 0.75 dB _____ ± 0.75 dB _____ ± 1.00 dB
30 dB _____ ± 0.75 dB _____ ± 1.00 dB _____ ± 1.25 dB
40 dB _____ ± 1.00 dB _____ ± 1.25 dB _____ ± 1.50 dB

VSWR

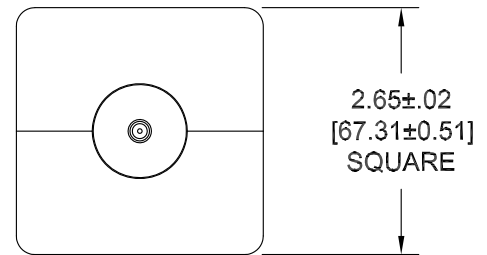
DC - 6 GHz _____ 1.25:1 Max.
6 - 12.4 GHz _____ 1.35:1 Max.
12.4 - 18 GHz _____ 1.45:1 Max.

Input Power _____ 50 Watts Avg. @ 25°C
DERATED LINEARLY TO 10 WATTS @ +125°C

Peak Power _____ 500 Watts Max.
(5uSec Pulse, .05% Duty Cycle)

Impedance _____ 50 Ohms

Operating Temp Range _____ -65°C to +125°C



END VIEW
TYPICAL

Mechanical:

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

Units must be Mounted in such a way as to Allow for Free Air Flow Around fins as to Assure Performance.

Note: Units are Unidirectional, Therefore Input Connector MUST be Specified & will be Indicated on Unit.

Model Number: **XXB50WR-XX**

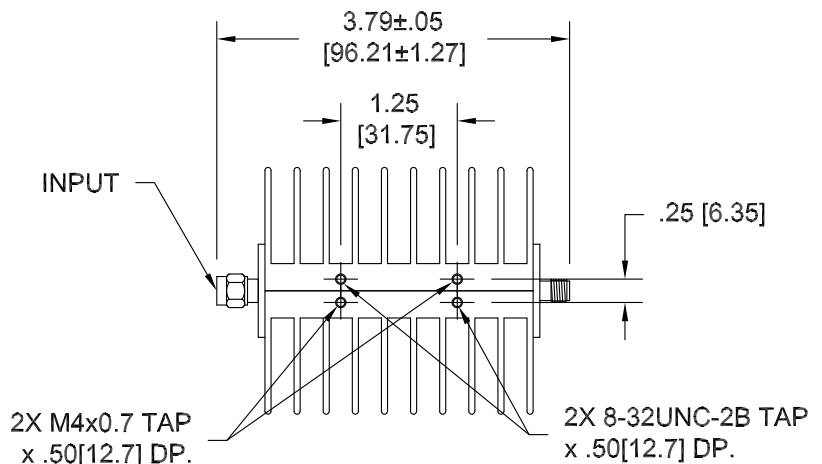
Male/Female Connectors
Length: 3.79 $\pm$.05 [96.1 $\pm$ 1.3]
Pictured

Model Number: **XXB50WR-XXF**

Female/Female Connectors
Length: 3.66 $\pm$.05 [92.8 $\pm$ 1.3]

Model Number: **XXB50WR-XXM**

Male/Male Connectors
Length: 3.92 $\pm$.05 [99.4 $\pm$ 1.3]



HOW TO ORDER:

Model Number: **XXB50WR-XXY**

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

dB Value

Connector Config. _____
= Male/Female (Male input)
F = Fem/Fem
M = Male/Male
FM = Female/Male (Female Input)

Ordering Examples:

Model Number: **18B50WR-20**
DC - 18 GHz; 20 dB; Male/Fem (Male Input)

Model Number: **6B50WR-02F**
DC - 6 GHz; 2 dB; Fem/Fem

Model Number: **2B50WR-10FM**
DC - 2.5 GHz; 10 dB; Fem/Male (Female Input)

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.

XXB50WR-XX; REV A

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