

ATTENUATORS SMA

UP TO 6 GHz
100 WATTS

api 
technologies corp.
> INMET

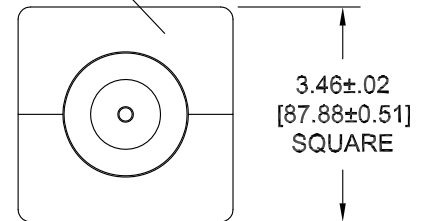
MODELS: XB100W-XX, XB100W-XXF & XB100W-XXM

SPECIFICATIONS:

Electrical:

Frequency Range _____ DC — 6.0 GHz
Standard Freq. Values _____ 2.5 & 6 GHz
Standard dB Values _____ 3, 6, 10, 20, 30 & 40 dB
Attenuation Accuracy DC — 1.5 GHz 1.5 — 2.5 GHz 2.5 — 6 GHz
3 & 6 dB _____ ± 0.50 dB _____ ± 0.50 dB _____ ± 0.75 dB
10 dB _____ ± 0.75 dB _____ ± 0.75 dB _____ ± 2.50 dB
20 & 30 dB _____ ± 0.75 dB _____ ± 0.75 dB _____ ± 1.50 dB
40 dB _____ ± 1.50 dB _____ ± 1.50 dB _____ ± 2.50 dB
VSWR (Max.) _____ 1.25:1 _____ 1.35:1 _____ 1.45:1
Input Power _____ 100 Watts Avg.
Derated Linearly to 20 Watts @ +125°C.
Reverse Power _____ 20 Watts Max.
Peak Power _____ 1 kW Max.
(5uSec Pulse, .05% Duty Cycle)
Impedance _____ 50 Ohms
Operating Temp Range _____ -55°C to +125°C

Custom Mtg. hole Config.
may be Added to this
Surface



END VIEW
TYPICAL

Mechanical:

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

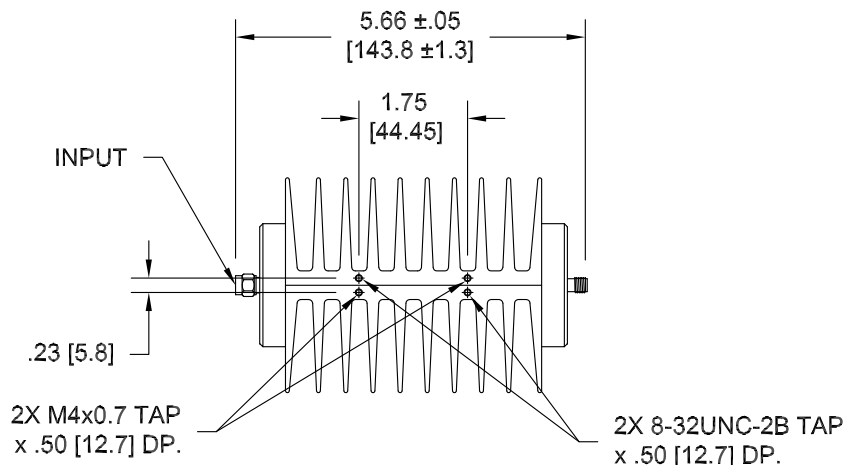
Units must be Mounted in such
a way as to Allow for Free Air
Flow Around fins as to Assure
Performance.

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

Model Number: **XB100W-XX**
Male/Female Connectors
Length: 5.66 $\pm$.05 [143.8 $\pm$ 1.3]
Pictured

Model Number: **XB100W-XXF**
Female/Female Connectors
Length: 5.52 $\pm$.05 [140.2 $\pm$ 1.3]

Model Number: **XB100W-XXM**
Male/Male Connectors
Length: 5.79 $\pm$.05 [147.1 $\pm$ 1.3]



Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

HOW TO ORDER:

Model Number: **XB100W-XXY**
Freq. Range _____ dB Value _____
2 = DC — 2.5 GHz
6 = DC — 6 GHz
Connector Config. _____
= Male/Female (Male Input)
F = Fem/Fem
M = Male/Male
FM = Female/Male (Female Input)

Ordering Examples:

Model Number: **2B100W-01**
DC — 2.5 GHz, 1 dB; SMA — Male/Fem

Model Number: **2B100W-03F**
DC — 2.5 GHz, 3 dB; SMA — Fem/Fem

Model Number: **6B100W-20FM**
DC — 6 GHz, 20 dB; SMA — Female/Male

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.

XB100W-ATT; REV R

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