

ATTENUATORS 7/16 - DIN

UP TO **6 GHz**
100 WATTS

api 
technologies corp.
> INMET

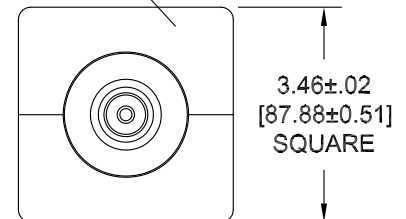
MODELS: XD100W-XX, XD100W-XXF & XD100W-XXM

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. @ +25°C
DERATED LINEARLY TO 20 WATTS @ +125°C
Output Power _____ 20 Watts
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:

7/16 DIN Connectors _____ Silver or White Bronze
Mates with DIN 47 223 _____ Plated Brass
Conductors _____ Silver or White Bronze
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: **XD100W-XX**

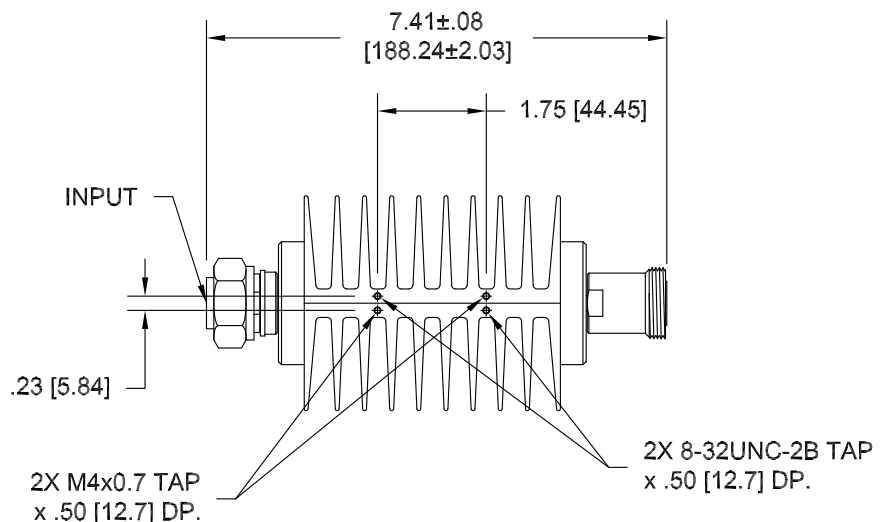
Male/Female Connectors
Length: 7.41 ±.08 [188.2 ±2.0]
Pictured

Model Number: **XD100W-XXF**

Female/Female Connectors
Length: 7.55 ±.08 [191.8 ±2.0]

Model Number: **XD100W-XXM**

Male/Male Connectors
Length: 7.27 ±.08 [184.7 ±2.0]



HOW TO ORDER:

Model Number: **XD100W-XXY**

Freq. Range
2 = DC – 2.5 GHz
6 = DC – 6 GHz

dB Value

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

Ordering Examples:

Model Number: **2D100W-30**
DC – 2.5 GHz, 30 dB; Male/Fem

Model Number: **2D100W-03F**
DC – 2.5 GHz, 3 dB; DIN, Fem/Fem

Model Number: **6D100W-20FM**
DC – 6 GHz, 20 dB; 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.