

ATTENUATORS 7/16 - DIN

UP TO **7.5 GHz**
50 WATTS

api 
technologies corp.
> INMET

MODELS: XD50W-XX, XD50W-XXF & XD50W-XXM, XD50W-XXFM

SPECIFICATIONS:

Electrical:

Frequency Range _____ DC - 7.5 GHz
Standard Freq. Values _____ 2.5, 4 & 7.5 GHz
Standard dB Values* _____ 0, 3, 6, 10, 20, 30 & 40 dB
Attenuation Accuracy
3, 6, 10 & 20 dB _____ ± 0.75 dB
30 dB _____ ± 1.0 dB
40 dB _____ ± 1.25 dB

VSWR

DC - 4 GHz _____ 1.25:1 Max.
4 - 7.5 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

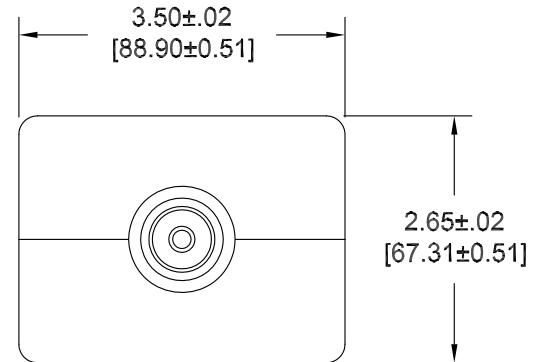
Mechanical:

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

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



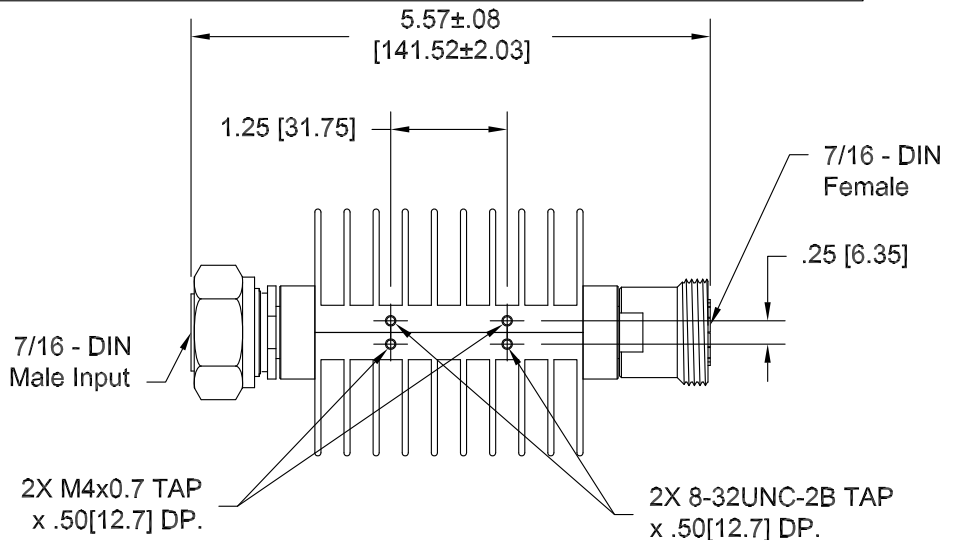
END VIEW
TYPICAL

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

Model Number: **XD50W-XX**
Male/Female Connectors
As Pictured

Model Number: **XD50W-XXF**
Female/Female Connectors
Length: 5.70±.08 [144.8 ±2.0]

Model Number: **XD50W-XXM**
Male/Male Connectors
Length: 5.44 ±.08 [138.2 ±2.0]



HOW TO ORDER:

Model Number: **XD50W-XXY**

Freq. Range
2 = DC - 2.5 GHz
4 = DC - 4 GHz
7 = DC - 7.5 GHz

Connector Configuration
= Male/Female
(Male Input)
F = Fem/Fem
M = Male/Male
FM = Female/Male
(Female Input)
dB Value

Ordering Examples:

Model Number: **7D50W-20**
DC - 7.5 GHz; 20 dB; Male/Fem (Male Input)

Model Number: **2D50W-3F**
DC - 2.5 GHz; 3 dB; Fem/Fem

Model Number: **4D50W-10FM**
DC - 4.0 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.

7D50W-ATT ; REV N

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