

# ATTENUATORS 7/16 - DIN

UP TO **7.5 GHz**  
**25 WATTS**

**api**   
technologies corp.  
> INMET

MODELS: XD25W-XX, XD25W-XXF & XD25W-XXM

## 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 dB \_\_\_\_\_  $\pm 0.5$  dB  
7 - 20 dB \_\_\_\_\_  $\pm 0.75$  dB  
21 - 30 dB \_\_\_\_\_  $\pm 1.0$  dB  
31 - 40 dB \_\_\_\_\_  $\pm 1.25$  dB

### VSWR

DC - 4 GHz \_\_\_\_\_ 1.25:1 Max.  
4 - 7.5 GHz \_\_\_\_\_ 1.45:1 Max.

Input Power \_\_\_\_\_ 25 Watts Avg. @ 25°C  
DERATED LINEARLY TO 5 WATTS @ +125°C

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

Impedance \_\_\_\_\_ 50 Ohms

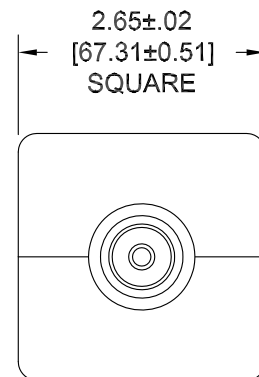
Operating Temp Range \_\_\_\_\_ -65°C to +125°C

### Mechanical:

7/16 DIN Connectors \_\_\_\_\_ Silver or White Bronze  
Mates with DIN 47 223 \_\_\_\_\_ Plated Brass

Conductors \_\_\_\_\_ Silver or White Bronze

Housing \_\_\_\_\_ Plated Beryllium Copper  
Anodized Aluminum



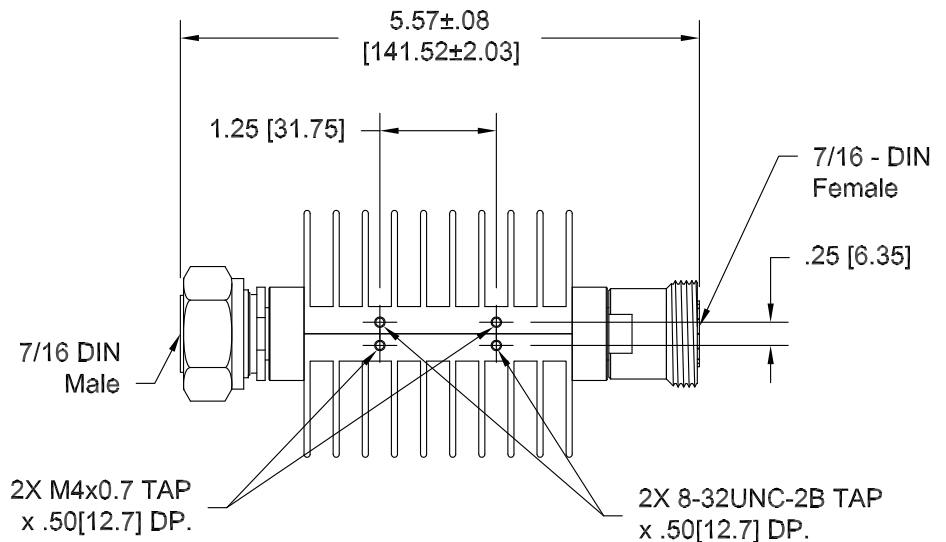
END VIEW  
TYPICAL

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

Model Number: **XD25W-XX**  
Male/Female Connectors  
As Pictured

Model Number: **XD25W-XXF**  
Female/Female Connectors  
Length: 5.70±.08 [144.8 ±2.0]

Model Number: **XD25W-XXM**  
Male/Male Connectors  
Length: 5.44 ±.08 [138.2 ±2.0]



## HOW TO ORDER:

Model Number: **XD25W-XXY**

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

Connector Configuration  
= Male/Female  
F = Fem/Fem  
M = Male/Male

dB Value

### Ordering Examples:

Model Number: **7D25W-20**  
DC - 7.5 GHz; 20 dB; 7/16 - DIN; Male/Fem

Model Number: **4D25W-3F**  
DC - 4 GHz; 3 dB; 7/16 - DIN; Fem/Fem

Model Number: **2D25W-6M**  
DC - 2.5 GHz; 6 dB; 7/16 - DIN; Male/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.

7D25W-ATT ; REV L

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