

# ATTENUATORS

7/16 - DIN, up to 3 GHz, 100 Watts



## SPECIFICATIONS:

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

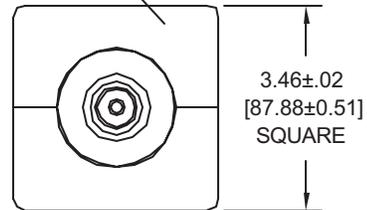
### Electrical:

Frequency Range \_\_\_\_\_ DC - 3.0 GHz  
 Standard Freq. Values \_\_\_\_\_ 1.5 & 3 GHz  
 Standard dB Values\* \_\_\_\_\_ 1, 3, 6, 10, 20, 30 & 40 dB  
 Attenuation Accuracy DC - 1.5 GHz 1.5 - 2.5 GHz 2.5 - 3 GHz  
 1 - 6 dB \_\_\_\_\_ ±0.50 dB \_\_\_\_\_ ±0.50 dB \_\_\_\_\_ ±0.75 dB  
 10 - 40 dB \_\_\_\_\_ ±0.75 dB \_\_\_\_\_ ±1.00 dB \_\_\_\_\_ ±1.5 dB  
 VSWR \_\_\_\_\_ 1.15:1 Max. \_\_\_\_\_ 1.25:1 Max. \_\_\_\_\_ 1.35:1 Max.  
 Input Power \_\_\_\_\_ 100 Watts Avg. @ +25°C  
 \_\_\_\_\_ Derated Linearly to 20 Watts @ +125°C  
 Output Power \_\_\_\_\_ 20 Watts  
 Peak Power \_\_\_\_\_ 2 kW Max.  
 \_\_\_\_\_ (5uSec Pulse, .05% Duty Cycle)  
 Impedance \_\_\_\_\_ 50 Ohms  
 Operating Temp Range \_\_\_\_\_ -54°C to +125°C

### Mechanical:

7/16 - DIN Connectors \_\_\_\_\_ Silver Plated or White Bronze Alloy  
 \_\_\_\_\_ Mates with DIN 47 223 \_\_\_\_\_ Finished Brass  
 Conductors \_\_\_\_\_ Silver or Gold Plated  
 \_\_\_\_\_ Beryllium Copper or Brass  
 Housing \_\_\_\_\_ Anodized Aluminum

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



END VIEW  
 TYPICAL

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

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

Model Number: **XD100W-XX**

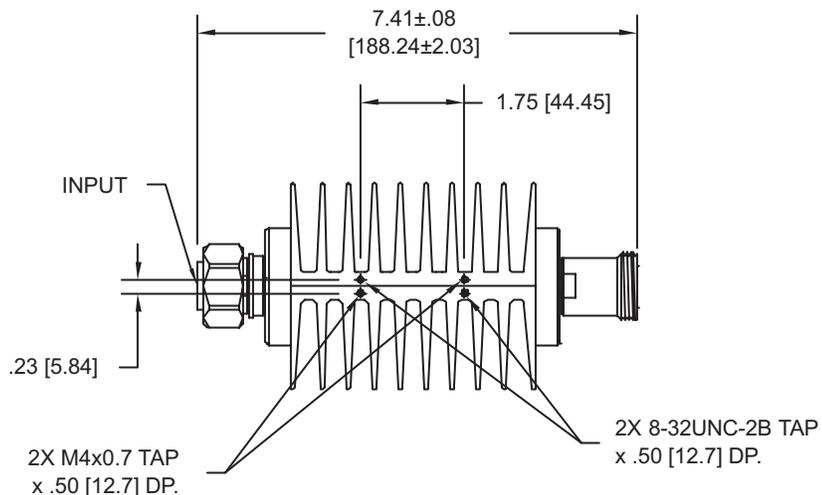
Male/Female Connectors  
 Length: 7.41 ±.08 [188.2 ±2.0]  
 Pictured

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  
 1 = DC - 1.5 GHz  
 3 = DC - 3 GHz

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

## Ordering Examples:

Model Number: **1D100W-30**  
 DC - 1.5 GHz, 30 dB; 7/16 - DIN, Male/Fem

Model Number: **3D100W-3F**  
 DC - 3 GHz, 3 dB; 7/16 - DIN, Fem/Fem

Model Number: **3D100W-20M**  
 DC - 3 GHz, 20 dB; 7/16 - DIN, Male/Male

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

\*Other dB units are also available. Units that operate over a more specific frequency band and/or offer very low return loss (VSWR) are available.

XD100W-ATT: REV H



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