

# ATTENUATORS

7/16 - DIN, up to 4 GHz, 150 Watts

## SPECIFICATIONS:

Models: XD 150W-XX, XD 150W-XXF, XD 150W-XXM

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

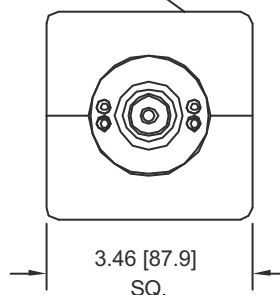
### Electrical:

Frequency Range \_\_\_\_\_ DC - 4.0 GHz  
Standard Freq. Values \_\_\_\_\_ 2.5 & 4 GHz  
Standard dB Values\* \_\_\_\_\_ 3, 6, 10, 20, 30 & 40 dB  
Attenuation Accuracy DC - 1.5 GHz 1.5 - 2.5 GHz 2.5 - 3 GHz  
3 & 6 dB \_\_\_\_\_ ±0.50 dB \_\_\_\_\_ ±1.0 dB \_\_\_\_\_ ±1.5 dB  
10 & 20 dB \_\_\_\_\_ ±0.50 dB \_\_\_\_\_ ±0.75 dB \_\_\_\_\_ ±1.0 dB  
30 & 40 dB \_\_\_\_\_ ±0.75 dB \_\_\_\_\_ ±1.0 dB \_\_\_\_\_ ±1.5 dB  
Input VSWR \_\_\_\_\_ 1.15:1 Max. \_\_\_\_\_ 1.30:1 Max. \_\_\_\_\_ 1.40:1 Max.  
Input Power \_\_\_\_\_ 150 Watts Avg. @ +25°C  
Derated Linearly to 30 Watts @ +125°C  
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 Brass  
Mates with DIN 47 223  
Conductors \_\_\_\_\_ Silver Plated Beryllium Copper  
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: **XD150W-XX**

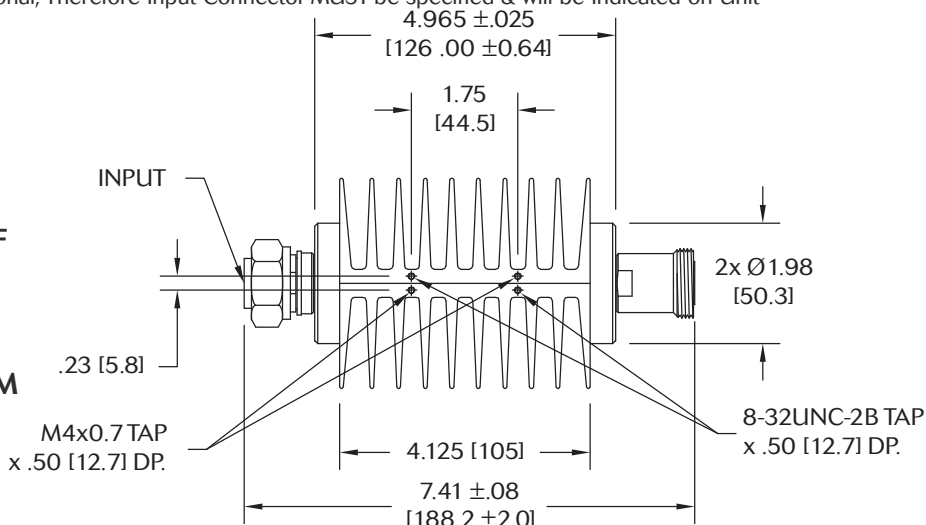
Male/Female Connectors  
Length: 741 ±.08 [188.2 ±2.0]  
Pictured

Model Number: **XD150W-XXF**

Female/Female Connectors  
Length: 755 ±.08 [191.8 ±2.0]

Model Number: **XD150W-XXM**

Male/Male Connectors  
Length: 727 ±.08 [184.7 ±2.0]



## HOW TO ORDER:

Model Number: **XD150W-XXY**

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

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

dB Value

## Ordering Examples:

Model Number: **4D150W-30**

DC - 4 GHz, 30 dB; 7/16 - DIN, Male/Fem

Model Number: **2D150W-3F**

DC - 2.5 GHz, 3 dB; 7/16 - DIN, Fem/Fem

Model Number: **2D150W-20M**

DC - 2.5 GHz, 20 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 and/or use.

XD 150W-ATT: REV G

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INMET

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