

ATTENUATORS

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

SPECIFICATIONS:

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

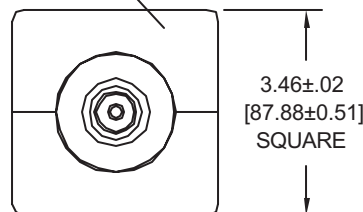
Electrical:

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**

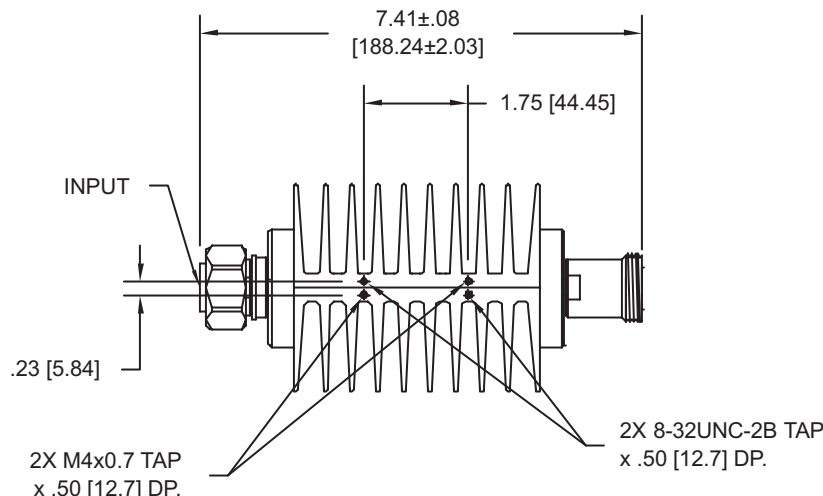
Male/Female Connectors
Length: $7.41 \pm .08$ [188.2 \pm 2.0]
Pictured

Model Number: **XD100W-XXF**

Female/Female Connectors
Length: $7.55 \pm .08$ [191.8 \pm 2.0]

Model Number: **XD100W-XXM**

Male/Male Connectors
Length: $7.27 \pm .08$ [184.7 \pm 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



Aeroflex / Inmet, Inc. • 300 Dino Drive, Ann Arbor, MI 48103 • U.S.A.
888-244-6638 or 734-426-5553 • FAX: 734-426-5557
www.aeroflex-inmetcorp.com • sales@eroflex-inmetcorp.com