

ATTENUATORS

7/16 - DIN, up to 4 GHz, 300 Watts

SPECIFICATIONS:

Models: XD300W-XX, XD300W-XXF, XD300W-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range _____ DC - 4.0 GHz
Standard Freq. Values _____ 1.5, 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 - 4 GHz
3 - 6 dB _____ ± 0.50 dB _____ ± 0.50 dB _____ ± 0.75 dB
10 - 40 dB _____ ± 0.75 dB _____ ± 1.0 dB _____ ± 1.5 dB
Input VSWR (Max.) _____ 1.15:1 _____ 1.25:1 _____ 1.35:1
Input Power _____ 300 Watts Avg. @ +25°C
Derated Linearly to 60 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 or White Bronze
Mates with DIN 47 223 _____ Alloy Finished Brass
Conductors _____ Silver or Gold Plated
_____ Beryllium Copper or Brass
Housing _____ Anodized Aluminum

Note: Units are unidirectional. Units must be positioned in such a way as to allow free air flow around fins to assure performance.

Model Number: **XD300W-XX**

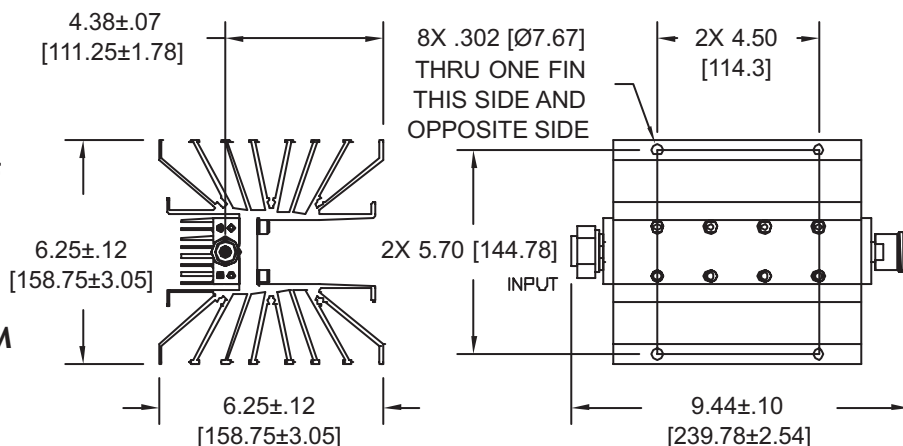
Male/Female Connectors
Length: 9.44 ± 1.0 [239.78 ± 2.54]
Pictured

Model Number: **XD300W-XXF**

Female/Female Connectors
Length: 9.57 ± 1.0 [243.08 ± 2.54]

Model Number: **XD300W-XXM**

Male/Male Connectors
Length: 9.31 ± 1.0 [236.47 ± 2.54]



HOW TO ORDER:

Model Number: **XD300W-XXY**

Freq. Range _____
1 = DC - 1.5 GHz
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: **1D300W-6**
DC - 1.5 GHz, 6 dB; 7/16 - Male/Fem

Model Number: **4D300W-40F**
DC - 4 GHz, 40 dB; 7/16 - Fem/Fem

Model Number: **2D300W-30M**
DC - 2.5 GHz, 30 dB; 7/16 - Male/Male

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

XD300W-ATT: REV E

AEROFLEX
INMET

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-inmet.com • sales@eroflex-inmet.com