

ATTENUATORS

7/16 - DIN

UP TO 4 GHz
300 WATTS

api
technologies corp.
> INMET

MODELS: XD300W-XX, XD300W-XXF, XD300W-XXM

SPECIFICATIONS:

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 -1.5GHz 1.5 - 2.5GHz 2.5 - 4GHz
3 & 6 dB _____ ± 0.50 dB _____ ± 0.50 dB _____ ± 0.75 dB
10, 20, 30 & 40 dB _____ ± 0.75 dB _____ ± 1.00 dB _____ ± 1.50 dB
Input VSWR (Max.) _____
3, 6, 10 & 20 dB _____ 1.15:1 _____ 1.25:1 _____ 1.35:1
30 & 40 dB _____ 1.15:1 _____ 1.25:1 _____ 1.50:1
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 or White Bronze
Mates with DIN 47 223 _____ Plated Brass
Conductors _____ Silver or White Bronze
Plated Beryllium Copper
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**

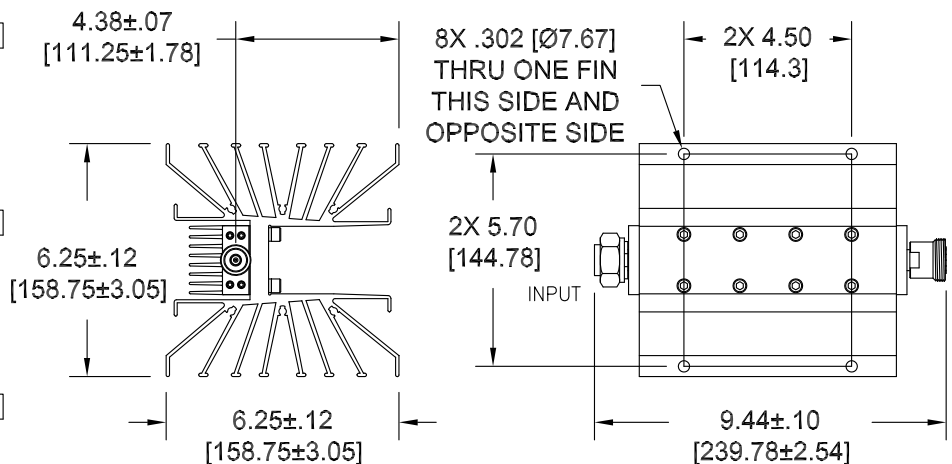
Male/Female Connectors
Length: $9.44 \pm .10$ [239.78 ± 2.54]
Pictured

Model Number: **XD300W-XXF**

Female/Female Connectors
Length: $9.57 \pm .10$ [243.08 ± 2.54]

Model Number: **XD300W-XXM**

Male/Male Connectors
Length: $9.31 \pm .10$ [236.47 ± 2.54]



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

HOW TO ORDER:

Model Number: **XD300W-XXY**

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

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

dB Value

Ordering Examples:

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.

Design specifications are subject to change without notice.

Contact factory for technical specifications before purchasing or use.

XD300W-ATT; REV K

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