

ATTENUATORS

TYPE N

UP TO 4 GHz
300 WATTS

api
technologies corp.
> INMET

MODELS: XN300W-XX, XN300W-XXF, XN300W-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 & 40dB _____ ± 0.75 dB _____ ± 1.0 dB _____ ± 1.5 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.
(5 uSec Pulse, .05% Duty Cycle)
Impedance _____ 50 Ohms
Operating Temp. Range _____ -54°C to +125°C

Mechanical:

Type N Connectors _____ Passivated Stainless Steel
Mates with MIL-STD-348
Conductors _____ Gold 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: **XN300W-XX**

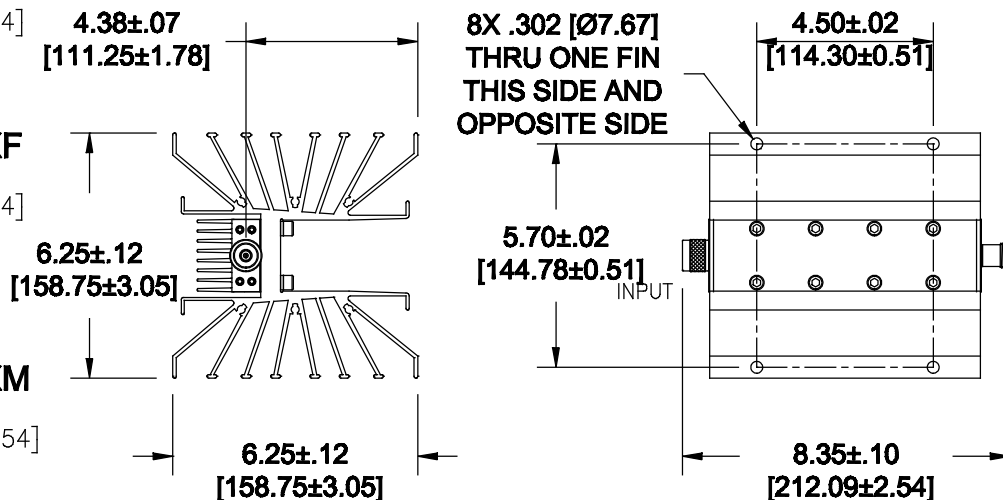
Male/Female Connectors
Length: 8.35 \pm .10 [212.09 \pm 2.54]
Pictured

Model Number: **XN300W-XXF**

Female/Female Connectors
Length: 8.44 \pm .10 [214.38 \pm 2.54]

Model Number: **XN300W-XXM**

Male/Male Connectors
Length: 8.28 \pm .10 [210.31 \pm 2.54]



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

HOW TO ORDER:

Model Number: **XN300W-XXY**

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

Connector Config.
F = Male/Female
F = Fem/Fem
M = Male/Male

dB Value

Ordering Examples:

Model Number: **4N300W-40F**

DC – 4 GHz, 40 dB; Type N – Fem/Fem

Model Number: **2N300W-30M**

DC – 2.5 GHz, 30 dB; Type N – 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.

XN300W-ATT; REV J

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