

ATTENUATORS

Type N, up to 4 GHz, 300 Watts

SPECIFICATIONS:

Models: XN300W-XX, XN300W-XXF, XN300W-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 - 1.5GHz 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 _____ ± 1.0 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.

(5uSec Pulse, .05% Duty Cycle)

Impedance _____ 50 Ohms

Operating Temp. Range _____ -54°C to +125°C

Mechanical:

Type N Connectors _____ Passivated Stainless Steel
Notes 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 $\pm$ 0.10 [212.09 $\pm$ 2.54]

Pictured

4.38 $\pm$ 0.07
[111.25 $\pm$ 1.78]

Model Number: **XN300W-XXF**

Female/Female Connectors

Length: 8.44 $\pm$ 0.10 [214.38 $\pm$ 2.54]

6.25 $\pm$ 0.12
[158.75 $\pm$ 3.05]

Model Number: **XN300W-XXM**

Male/Male Connectors

Length: 8.28 $\pm$ 0.10 [210.31 $\pm$ 2.54]

6.25 $\pm$ 0.12
[158.75 $\pm$ 3.05]

8X .302 [Ø7.67]
THRU ONE FIN
THIS SIDE AND
OPPOSITE SIDE

2X 4.50
[114.30]

2X 5.70 [144.78]

INPUT

8.35 $\pm$ 0.10
[212.09 $\pm$ 2.54]

HOW TO ORDER:

Model Number: **XN300W-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: **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 and/or use.

XN300W-ATT: REV H

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