

ATTENUATORS

Type N, up to 6 GHz, 100 Watts

SPECIFICATIONS:

Models: XN100W-XX, XN100W-XXF & XN100W-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

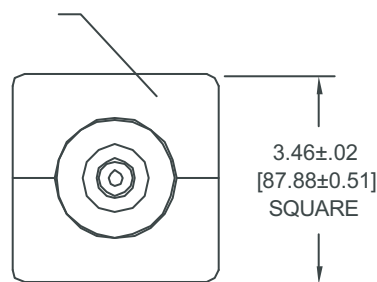
Electrical:

Frequency Range	DC - 6.0 GHz
Standard Freq. Values	2.5 & 6 GHz
Standard dB Values	3, 6, 10, 20, 30 & 40 dB
Attenuation Accuracy	DC - 1.5 GHz 1.5 - 2.5 GHz 2.5 - 6 GHz
3 & 6 dB	±0.50 dB ±0.50 dB ±0.75 dB
10 dB	±0.75 dB ±0.75 dB ±2.50 dB
20 & 30 dB	±0.75 dB ±0.75 dB ±1.50 dB
40 dB	±1.50 dB ±1.50 dB ±2.50 dB
VSWR (Max.)	1.25:1 1.35:1 1.45:1
Input Power	100 Watts Avg. Derated Linearly to 20 Watts @ +125°C
Reverse Power	20 Watts Max.
Peak Power	1 kW Max. (5uSec Pulse, .05% Duty Cycle)
Impedance	50 Ohms
Operating Temp Range	-55°C to +125°C

Mechanical:

Type N Connectors	Passivated Stainless Steel
Mates with MILSTD-348	
Conductors	Gold Plated Beryllium Copper
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: **XN100W-XX**

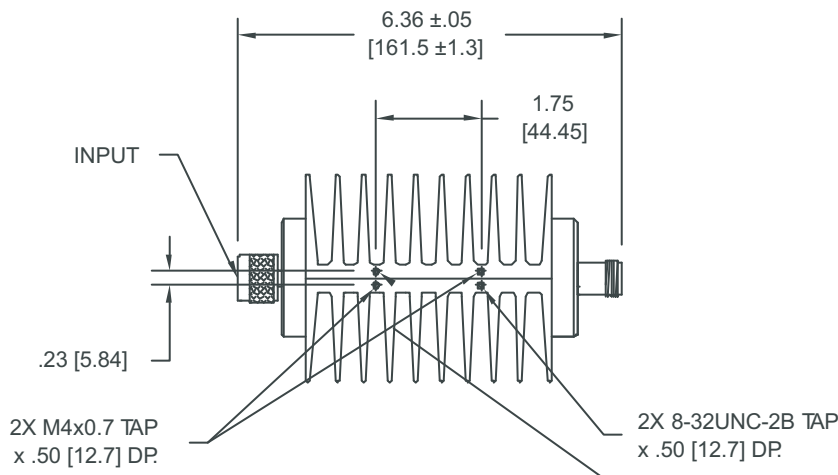
Male/Female Connectors
Length: 6.36 ±.05 [161.5 ±1.3]
Pictured

Model Number: **XN100W-XXF**

Female/Female Connectors
Length: 6.45 ±.05 [163.8 ±1.3]

Model Number: **XN100W-XXM**

Male/Male Connectors
Length: 6.28 ±.05 [159.5 ±1.3]



HOW TO ORDER:

Model Number: **XN100W-XXY**

Freq. Range
2 = DC - 2.5 GHz
6 = DC - 6 GHz

dB Value

Connector Configuration
= Male/Female
(Male Input)
F = Fem/Fem
M = Male/Male
FM = Female/Male
(Female Input)

Ordering Examples:

Model Number: **2N100W-01**
DC - 2.5 GHz, 1 dB; Type N - Male/Fem

Model Number: **2N100W-03F**
DC - 2.5 GHz, 3 dB; Type N - Fem/Fem

Model Number: **6N100W-20FM**
DC - 6 GHz, 20 dB; Type N - Female/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.

XN100W-ATT: REV P

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