

ATTENUATORS

Type N, up to 18 GHz, 25 Watts

SPECIFICATIONS:

Models: XXN25W-XX, XXN25W-XXF, XXN25W-XXM

RoHS
Compliant

AEROFLEX
A passion for performance.

Electrical:

Frequency Range	_____ DC - 18.0 GHz		
Standard Freq. Values	_____ 6, 12.4 & 18 GHz		
Standard dB Values*	_____ 3, 6, 10, 20, 30 & 40 dB		
Attenuation Accuracy	DC - 6 GHz	6 - 12.4 GHz	12.4 - 18 GHz
3 - 6 dB	_____ ±0.30 dB	_____ ±0.50 dB	_____ ±0.75 dB
7 - 20 dB	_____ ±0.50 dB	_____ ±0.75 dB	_____ ±1.00 dB
21 - 30 dB	_____ ±0.75 dB	_____ ±1.00 dB	_____ ±1.25 dB
31 - 40 dB	_____ ±1.00 dB	_____ ±1.25 dB	_____ ±1.50 dB

VSWR

DC - 6 GHz	_____	1.20:1 Max.
6 - 12.4 GHz	_____	1.30:1 Max.
12.4 - 18 GHz	_____	1.40:1 Max.

Input Power _____ 25 Watts Avg. @ 25°C
Derated Linearly to 5 Watts @ +125°C

Peak Power _____ 500 Watts Max.
(5uSec Pulse, .05% Duty Cycle)

Impedance _____ 50 Ohms

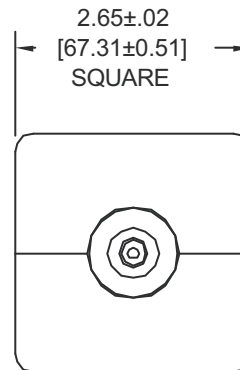
Operating Temp Range _____ -65°C to +125°C
* K is a Trademark of Anritsu Corp.

Mechanical:

Type N Connectors _____ Passivated Stainless Steel
Mates with MIL-STD-348

Conductors _____ Gold Plated Beryllium Copper

Housing _____ Anodized Aluminum



END VIEW
TYPICAL

Units must be Mounted in such a way as to
Allow for Free Air Flow Around fins to Insure
Performance

Model Number: **XXN25W-XX**

Male/Female Connectors

Length: 4.50 ±.05 [114.3 ±1.3]

Pictured

Model Number: **XXN25W-XXF**

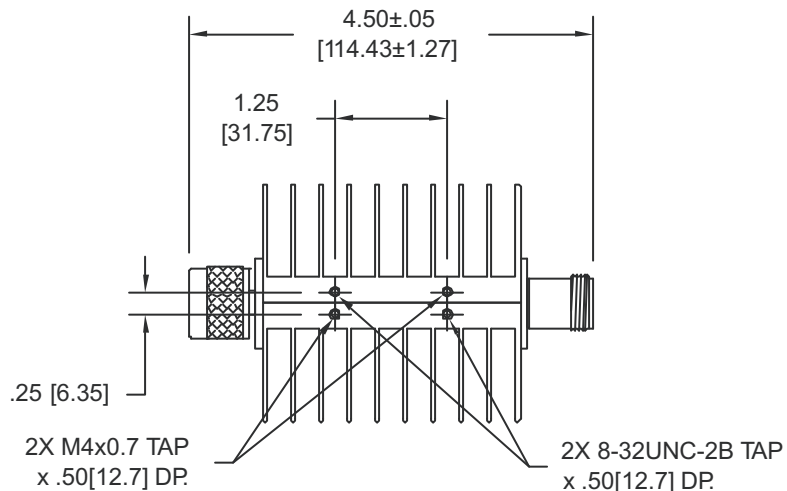
Female/Female Connectors

Length: 4.58 ±.05 [116.3 ±1.3]

Model Number: **XXN25W-XXM**

Male/Male Connectors

Length: 4.41 ±.05 [112.0 ±1.3]



HOW TO ORDER:

Model Number: **XXN25W-XXY**

Freq. Range
6 = DC - 6 GHz
12 = DC - 12.4 GHz
18 = DC - 18 GHz

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

dB Value

Ordering Examples:

Model Number: **18N25W-20**
DC - 18 GHz; 20 dB; Type N - Male/Fem

Model Number: **6N25W-03F**
DC - 6 GHz; 3 dB; Type N - Fem/Fem

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

*Other dB values, units that operate over a more specific frequency band and/or offer very low return loss (VSWR) are also available.

XXN25W-ATT: REV L

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