

# 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 & 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

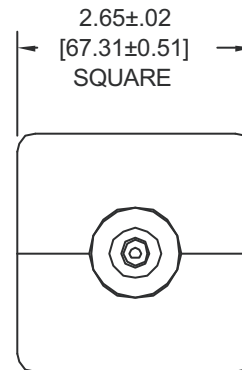
Operating Temp Range \_\_\_\_\_ -65°C to +125°C

### 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**

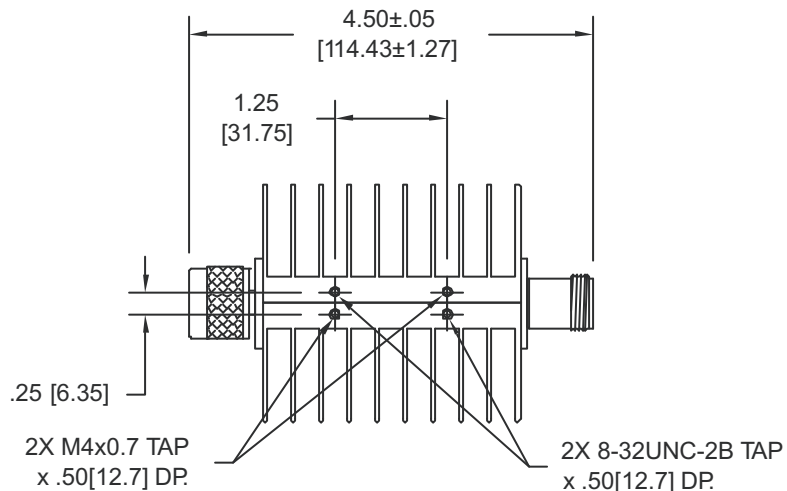
Female/Female Connectors

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  
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 (M)

**AEROFLEX**  
INMET

Aeroflex / Inmet, Inc. • 300 Dino Drive, Ann Arbor, MI 48103 • U.S.A.  
888-244-6638 or 734-426-5553 • FAX: 734-426-5557  
www.aeroflex.com/inmet • inmet@aeroflex.com