

ATTENUATORS

Type N, 50 Watts, up to 18 GHz

SPECIFICATIONS:

Models: XXN50W-XX, XXN50W-XXF & XXN50W-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	±0.75 dB ±0.75 dB ±0.75 dB
10 & 20 dB	±0.75 dB ±0.75 dB ±1.00 dB
30 dB	±0.75 dB ±1.00 dB ±1.25 dB
40 dB	±1.00 dB ±1.25 dB ±1.50 dB

VSWR

DC - 6 GHz	1.25:1 Max.
6 - 12.4 GHz	1.35:1 Max.
12.4 - 18 GHz	1.45:1 Max.

Input Power _____ 50 Watts Avg. @ 25°C
Derated Linearly to 10 Watts @ +125°C

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

Impedance _____ 50 Ohms

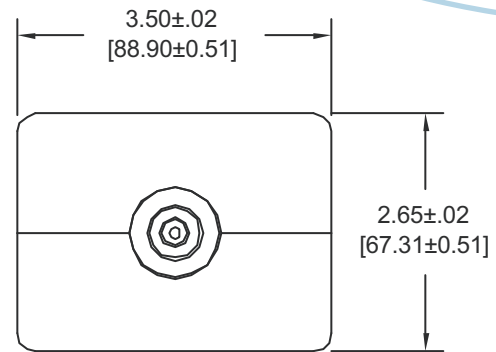
Operating Temp Range _____ -65°C to +125°C

Mechanical:

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

Conductors _____ Gold Plated Beryllium Copper

Housing _____ Anodized Aluminum



END VIEW
TYPICAL

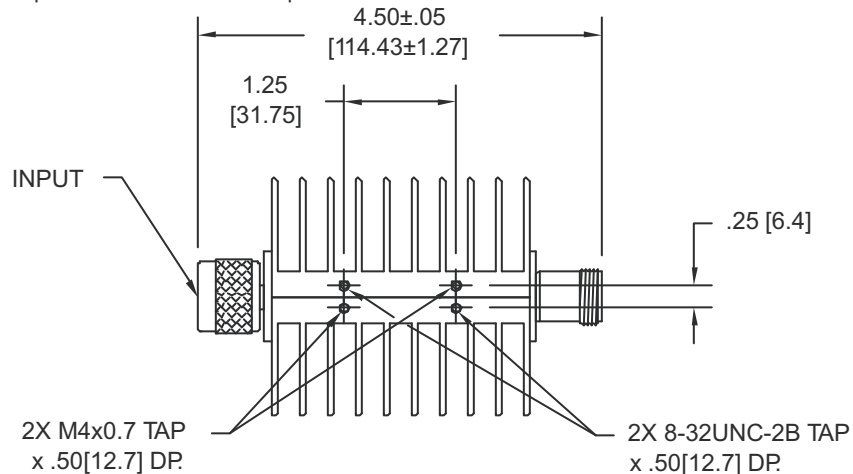
Units must be Mounted in such a way as to
Allow for Free Air Flow Around fins to Insure
Performance

Note: Units are Unidirectional, Therefore Input Connector MUST be Specified & will be Indicated on Unit

Model Number: **XXN50W-XX**
Male/Female Connectors
Length: 4.50 ±.05 [114.2 ±1.3]
Pictured

Model Number: **XXN50W-XXF**
Female/Female Connectors
Length: 4.58 ±.05 [116.2 ±1.3]

Model Number: **XXN50W-XXM**
Male/Male Connectors
Length: 4.41 ±.05 [112.0 ±1.3]



HOW TO ORDER:

Model Number: **XXN50W-XXY**

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

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

dB Value

Ordering Examples:

Model Number: **18N50W-20**
DC - 18 GHz; 20 dB; Type N - Male/Fem (Male Input)

Model Number: **6N50W-02F**
DC - 6 GHz; 2 dB; Type N - Fem/Fem

Model Number: **6N50W-02FM**
DC - 6 GHz; 2 dB; Type N - Fem/Male (Female Input)

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.

XXN50W-XX: REV F (M)

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