ATTENUATORS
TYPE N

up to 6 GHz

100 Watts

MCE INMET

MODELS: XN100W–XX, XN100W–XXF & XN100W–XXM

## SPECIFICATIONS:

Electrical:

Frequency Range _____ DC - 6.0 GHz

Standard Freq. Values _____ 1.5, 3 & 6 GHz

Standard dB Values _____ 1, 3, 6, 10, 20, 30 & 40* dB

Attenuation Accuracy	DC - 1.5 GHz	1.5 - 3 GHz	3 - 6 GHz
1 - 6 dB	±0.50 dB	±0.50 dB	±0.75 dB
10 - 40 dB	±0.50 dB	±0.75 dB	±1.0 dB
VSWR (Max.)	1.15:1	1.25:1	1.35:1

Input Power _____ 100 Watts Avg.

Derated Linearly to 20 Watts @ +125°C.

Output Power _____ 20 Watts Avg.

Peak Power _____ 5 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

Mates with MIL–STD–348

Conductors _____ Gold Plated Beryllium Copper

Housing _____ Anodized Aluminum

*40 dB Units are only available up to 4 GHz

Custom Mtg. hole Config. may be Added to this Surface

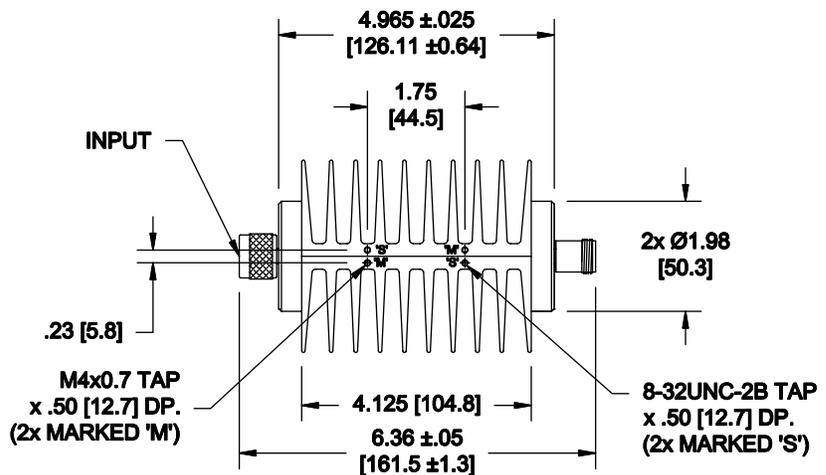
3.46 [87.9] SQ.
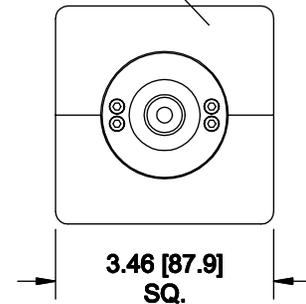
END VIEW TYPICAL

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]

4.965 ±.025 [126.11 ±0.64]

1.75 [44.5]

INPUT

2x Ø1.98 [50.3]

.23 [5.8]

M4x0.7 TAP x .50 [12.7] DP. (2x MARKED 'M')

4.125 [104.8]

6.36 ±.05 [161.5 ±1.3]

8-32UNC-2B TAP x .50 [12.7] DP. (2x MARKED 'S')

HOW TO ORDER:

Model Number: **XN100W-XXY**

Freq. Range
1 = DC - 1.5 GHz
3 = DC - 3 GHz
6 = DC - 6 GHz

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

dB Value

Ordering Examples:

Model Number: **1N100W-1**
DC - 1.5 GHz, 1 dB; Type N - Male/Fem

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

Model Number: **6N100W-20M**
DC - 6 GHz 20 dB; Type N Male/Male

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
*Other dB values are also available. Units that operate over a more specific wave band and/or offer very low return loss (VSWR) or offer higher peak power are available.

XN100W-ATT; REV J