

ATTENUATORS TYPE N

UP TO 6 GHz
100 WATTS

api
technologies corp.
> INMET

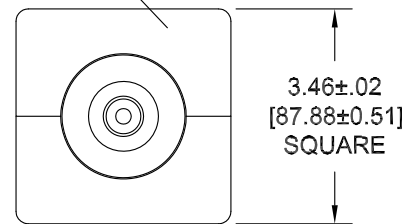
MODELS: XN100W-XX, XN100W-XXF & XN100W-XXM

SPECIFICATIONS:

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

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



END VIEW
TYPICAL

Mechanical:

Type N Connectors _____ Passivated Stainless Steel
Mates with MIL-STD-348
Conductors _____ Gold Plated Beryllium Copper
Housing _____ Anodized Aluminum

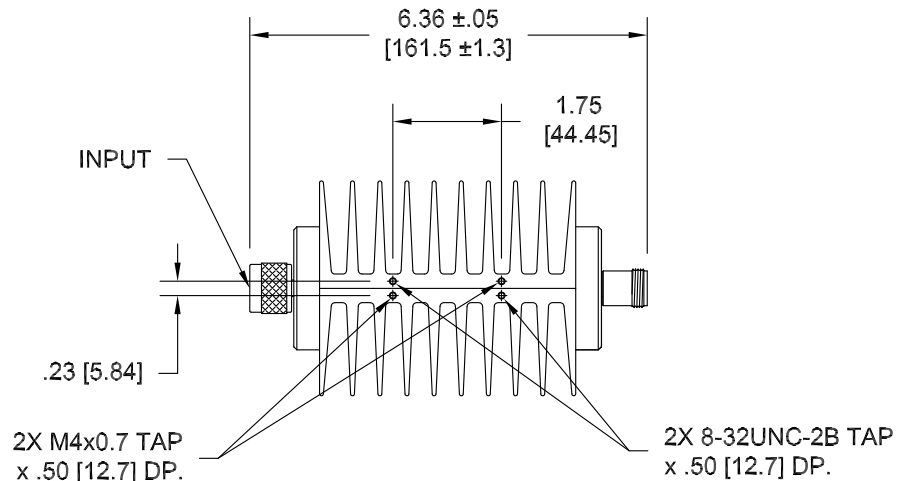
Units must be Mounted in such
a way as to Allow for Free Air
Flow Around fins as to Assure
Performance.

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 \pm 0.05 [161.5 \pm 1.3]
Pictured

Model Number: **XN100W-XXF**
Female/Female Connectors
Length: 6.45 \pm 0.05 [163.8 \pm 1.3]

Model Number: **XN100W-XXM**
Male/Male Connectors
Length: 6.28 \pm 0.05 [159.5 \pm 1.3]



HOW TO ORDER:

Model Number: **XN100W-XXY**

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

dB Value

Connector Config.
= 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.