

ATTENUATORS TYPE N

UP TO **18 GHz**
2 WATTS

api 
technologies corp.
> INMET

MODELS: N

SPECIFICATIONS:

Electrical:

Frequency Range _____ DC – 18 GHz
Standard Freq. Values _____ 2.5, 6, 12.4 & 18 GHz
Standard dB Values*
0 – 10, 12, 15, 20, 30, 40, 50 & 60 dB
In 1 dB Increments

Attenuation Accuracy

0 – 6 dB _____ ±0.3 dB
7 – 20 dB _____ ±0.5 dB
21 – 30 dB _____ ±0.75 dB
31 – 60 dB _____ ±1.5 dB

VSWR

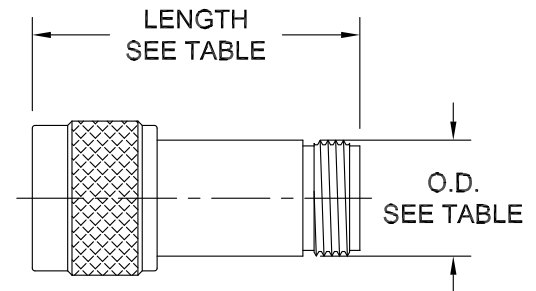
DC – 4 GHz _____ 1.15:1 Max
4 – 8 GHz _____ 1.20:1 Max
8 – 12.4 GHz _____ 1.25:1 Max
12.4 – 18 GHz _____ 1.35:1 Max

Input Power _____ 2 Watts Avg. @ 25°C
DERATED LINEARLY TO 0.5 WATTS @ +125°C

Peak Power _____ 250 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

Base Model Number	Connector Configuration	LENGTH					
		DIA.		0 – 30 & 40 dB		31–39, 50 & 60 dB	
		Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
XXN–XX	Male/Female	ø.62	[15.8]	1.76 ±.03	[44.7 ±0.8]	2.04 ±.03	[51.8 ±0.8]
XXN–XXM	Male/Male	ø.56	[14.2]	1.82 ±.03	[46.2 ±0.8]	2.11 ±.03	[53.6 ±0.8]
XXN–XXF	Female/Female	ø.56	[14.2]	1.99 ±.03	[50.5 ±0.8]	2.28 ±.03	[57.9 ±0.8]

HOW TO ORDER:

Model Number: **XXN-XXY**
Freq. Range _____ dB Value _____
Connector Configuration _____
2 = DC – 2.5 GHz
6 = DC – 6 GHz
12 = DC – 12.4 GHz
18 = DC – 18 GHz
= Male/Female
F = Fem/Fem
M = Male/Male

Ordering Examples:

Model Number: **18N-20**
DC – 18 GHz; 20 dB; Type N – Male/Fem
Model Number: **12N-6F**
DC – 12.4 GHz; 6 dB; Type N – Fem/Fem
Model Number: **6N-3M**
DC – 6 GHz; 3 dB; Type N – Male/Male
Model Number: **2N-30**
DC – 2.5 GHz; 30 dB; Type N – Male/Fem

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.