

ATTENUATORS

Type N, up to 18 GHz, 2 Watts

SPECIFICATIONS:

Models: N

RoHS
Compliant



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

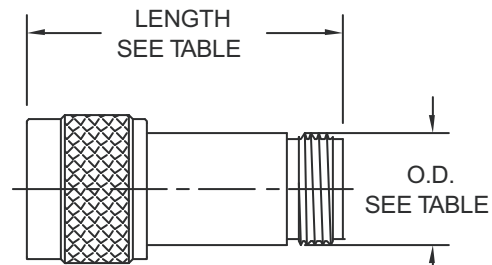
Input Power _____ 2 Watts Avg. @ 25°C
Derated Linearly to 0.5 Watts @ +125°C

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 MILSTD-348
 Conductors _____ Gold Plated Beryllium Copper



Base Model Number	Connector Configuration	DIA.		LENGTH			
				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 _____
 2 = DC - 2.5 GHz
 6 = DC - 6 GHz
 12 = DC - 12.4 GHz
 8 = DC - 8 GHz

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

dB Value _____

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.

*Other dB values, units that operate over a more specific frequency band and/or offer very low return loss (VSWR); as well as units with nickel plated brass connectors are available.

18N-ATT: REV J



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-inmet.com • inmet-sales@eroflex.com