

# ATTENUATORS

Type N, up to 18 GHz, 2 Watts

## SPECIFICATIONS:

Models: N

**RoHS**  
Compliant

**AEROFLEX**  
A passion for performance.

### Electrical:

Frequency Range \_\_\_\_\_ DC - 18 GHz  
 Standard Freq. Values \_\_\_\_\_ 2.5, 6, & 18 GHz  
 Standard dB Values\* \_\_\_\_\_ 0 - 10, 12, 15, 20, 30, 40, 50 & 60 dB  
 Attenuation Accuracy \_\_\_\_\_ In 1 dB Increments

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)

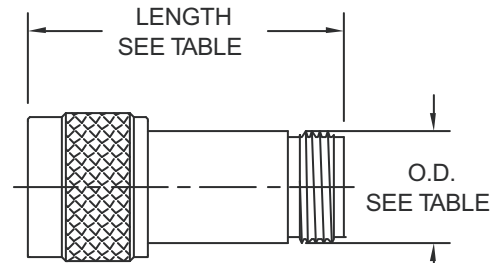
Impedance \_\_\_\_\_ 50 Ohms

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  
 18 = DC - 18 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: **6N-6F**  
 DC - 6 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 (M)

**AEROFLEX**  
INMET

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