

ATTENUATORS

Type N

up to 18 GHz

5 Watts

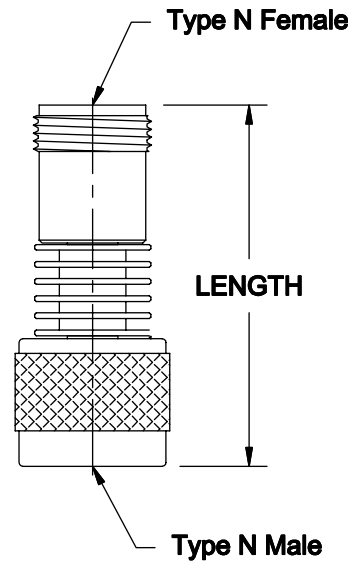


MODELS: 18N5W-XX, 18N5W-XXF & 18N5W-XXM

SPECIFICATIONS:

Electrical:

Frequency Range _____ DC - 18 GHz
 Standard Freq. Values _____ 4, 6, 12.4 & 18 GHz
 Standard dB Values* _____ 0 - 10, 12, 15, 20, 30, 40, 50 & 60 dB
In 1dB 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 _____ 5 Watts Avg. @ 25°C
DERATED LINEARLY TO 1 WATT @ +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
 Housing _____ Anodized Aluminum

Connector Configuration	LENGTH			
	0 - 30 & 40 dB		31 - 60 dB (Except 40dB)	
	Inches	Millimeters	Inches	Millimeters
Male/Female	1.90 ±.05	[48.3 ±1.3]	2.19 ±.05	[55.6 ±1.3]
Male/Male	1.82 ±.05	[46.2 ±1.3]	2.11 ±.05	[53.6 ±1.3]
Female/Female	1.99 ±.05	[50.5 ±1.3]	2.28 ±.05	[57.9 ±1.3]

HOW TO ORDER:

Model Number: **XXN5W-XXY**

Freq. Range

4 = DC - 4 GHz
 6 = DC - 6 GHz
 12 = DC - 12.4 GHz
 18 = DC - 18 GHz

Connector Configuration

= Male/Female
 F = Fem/Fem
 M = Male/Male

dB Value

Ordering Examples:

Model Number: **4N5W-20**
 DC - 4 GHz, 20 dB; Type N - Male/Fem

Model Number: **18N5W-06F**
 DC - 18 GHz, 6 dB; Type N - Fem/Fem

Model Number: **12N5W-03M**
 DC - 12.4 GHz, 3 dB; Type N - Male/Male

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

*Other dB values are available. Units that operate over a more specific frequency band and/or offer very low return loss (VSWR) are also available.

XXN5W-ATT; REV J