

Attenuators

Type N

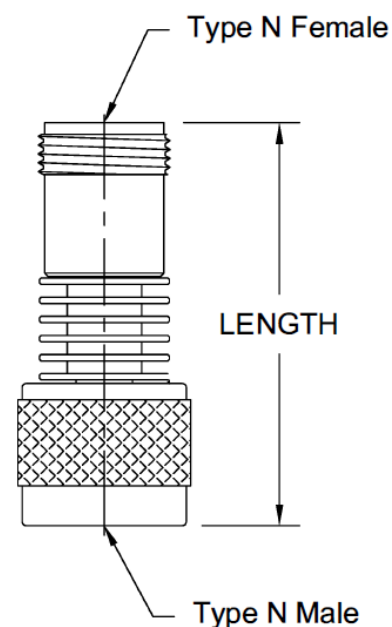
up to 18 GHz
5 Watts

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

Technical Specifications

Parameter	Value
<i>Electrical</i>	
Frequency Range	DC – 18 GHz
Standard dB Values	0-10, 12, 15, 20, 30, & 40 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
40 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 Average @ 25°C <i>Derated linearity to 1 watts @ +125°C</i>
Impedance	50 Ohms
Operation Temp. Range	-65°C to +125°C

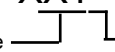
Parameter	Value
<i>Mechanical</i>	
Type N Connectors Mates with MIL-STD-348	Passive Stainless Steel
Conductors	Gold Plated Beryllium Copper
Housing	Anodized Aluminum



Connector Configuration	Inches	Millimeters
Male/Female – 18N5W-XX	1.90 ± .05	[48.3 ± 1.3]
Male/Male – 18N5W-XXM	1.82 ± .05	[46.2 ± 1.3]
Female/Female – 18N5W-XXF	1.99 ± .05	[50.5 ± 1.3]

How To Order

Model #: 18N5W-XXY

dB Value  Connector Configuration
 = Male/Female
 F = Female/Female
 M = Male/Male

Order Example

Model number: 18N5W-06F
 DC-18 GHz, 6 dB, Type N female/female

**Dimensions in brackets are expressed in millimeters and are for reference only.

sales@am.spectrumcontrol.com

Approved for Release: November 2024/Brown

Spectrum Control reserves the right to make changes to datasheets at any time without notice.