

Attenuators

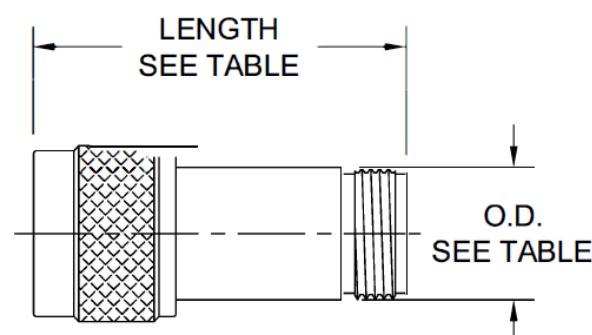
Type N

up to 18 GHz
2 Watts

Technical Specifications

Parameter	Value
<i>Electrical</i>	
Frequency Range	DC – 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 Average @ 25°C <i>Derated linearity to 0.5 watt @ +125°C</i>
Peak Power	250 Watts max. (5µSec pulse, 0.05% duty cycle)
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



Connector Configuration	DIA		0 – 30 & 40 dB		31 – 60 dB (except 40 dB)	
	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
Male/Female - 18N-XX	Ø .62	[15.8]	1.76 ± .03	[44.7 ± .08]	2.04 ± .03	[51.8 ± .08]
Male/Male - 18N-XXM	Ø .56	[14.2]	1.82 ± .03	[46.2 ± .08]	2.11 ± .03	[53.6 ± .08]
Female/Female - 18N-XXF	Ø .56	[14.2]	1.99 ± .03	[50.5 ± .08]	2.28 ± .03	[57.9 ± .08]

How To Order

Model #: 18N-XXY

dB Value

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

Order Example

Model number: 18N-20
 DC-18 GHz, 20 dB, Type N, male/female

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

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