

Attenuators

Type N

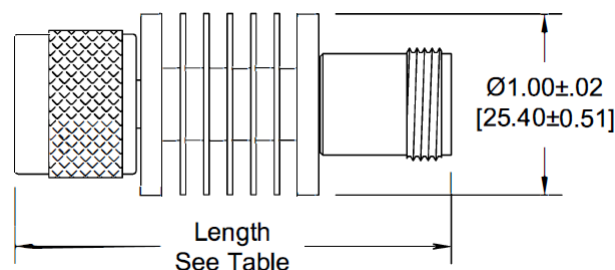
up to 18 GHz
10 Watts

MODELS: 18N10W-XX, 18N10W-XXF & 18N10W-XXM

Technical Specifications

Parameter	Value	
<i>Electrical</i>		
Frequency Range	DC – 18 GHz	
Standard dB Values	0 – 10, 12, 20, 30 &40 dB In 1 dB increments	
Attenuation Accuracy	DC – 12.4 GHZ	12.4 – 18 GHZ
0 - 6 dB	±0.3 dB	±0.5 dB
7 - 20 dB	±0.5 dB	±0.7 dB
21 - 40 dB	±0.7 dB	±1.0 dB
VSWR		
DC – 6 GHz	1.20:1 max.	
6 – 12.4 GHz	1.30:1 max.	
12.4 – 18 GHz	1.40:1 max.	
Input Power	10 Watts Average @ 25°C <i>Derated linearity to 2 watts @ +125°C</i>	
Peak Power	500 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
Housing	Anodized Aluminum



Connector Configuration	0 – 20 dB		30 & 40 dB	
	Inches	Millimeters	Inches	Millimeters
Male/Female - 18N10W-XX	2.41 ± .05	[61.2 ± 1.3]	2.66 ± .05	[67.6 ± 1.3]
Male/Male - 18N10W-XXM	2.34 ± .05	[59.4 ± 1.3]	2.58 ± .05	[65.5 ± 1.3]
Female/Female - 18N10W-XXF	2.49 ± .05	[63.2 ± 1.3]	2.74 ± .05	[69.6 ± 1.3]

How To Order

Model #: 18N10W-XXY

dB Value

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

Order Example

Model number: 18N10W-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.