

Attenuators

Type N

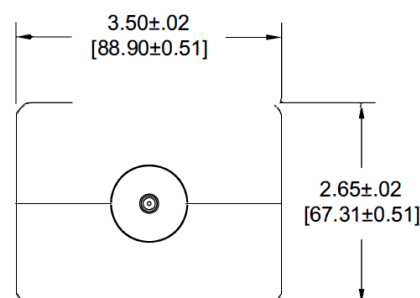
up to 18 GHz
50 Watts

MODELS: 18N50W-XX, 18N50W-XXF, 18N50W-XXM & 18N50W-XXFM

Technical Specifications

Parameter	Value		
Electrical			
Frequency Range	DC – 18 GHz		
Standard dB Values	3, 6, 10, 20, 30, & 40 dB		
Attenuation Accuracy	DC – 6 GHZ	6 – 12.4 GHZ	12.4 – 18 GHZ
3 & 6 dB	±0.75 dB	±0.75 dB	±0.75 dB
10 & 20 dB	±0.75 dB	±0.75 dB	±1.00 dB
30 dB	±0.75 dB	±1.00 dB	±1.25 dB
40 dB	±1.00 dB	±1.25 dB	±1.50 dB
VSWR			
DC – 6 GHz	1.25:1 max.		
6 – 12.4 GHz	1.35:1 max.		
12.4 – 18 GHz	1.45:1 max.		
Input Power	50 Watts Average @ 25°C <i>Derated linearity to 10 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



END VIEW
TYPICAL

Units must be mounted in such a way to allow for free air flow around the fins as to assure performance.

Note: Units are unidirectional, therefore, input connector MUST be specified and will be indicated on unit.

Connector Configuration	Inches	Millimeters
Male/Female – 18N50W-XX	4.50 ± .05	[114.2 ± 1.3]
Female/Female – 18N50W-XXF	4.58 ± .05	[116.2 ± 1.3]
Male/Male – 18N50W-XXM	4.41 ± .05	[112.0 ± 1.3]

How To Order

Model #: **18N50W-XXY**

dB Value

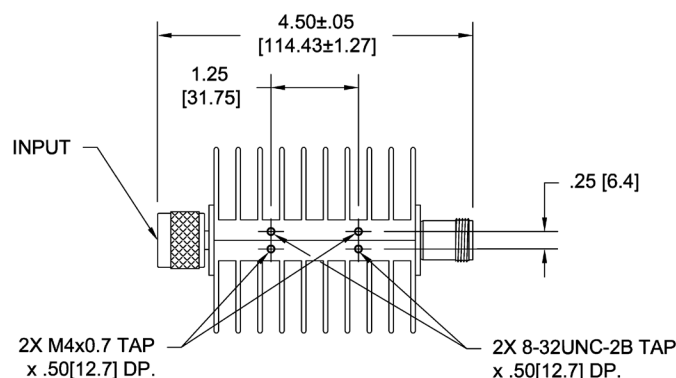
Connector Configuration

Male/Female (Male input)

F = Female/Female

M = Male/Male

FM = Female/Male (Female input)



Order Example

Model number: **18N50W-20**

DC-18 GHz, 20 dB, Type N, male/female (male input)

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

sales@am.spectrumcontrol.com

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