

Attenuators

Type N

up to 18 GHz
20 Watts

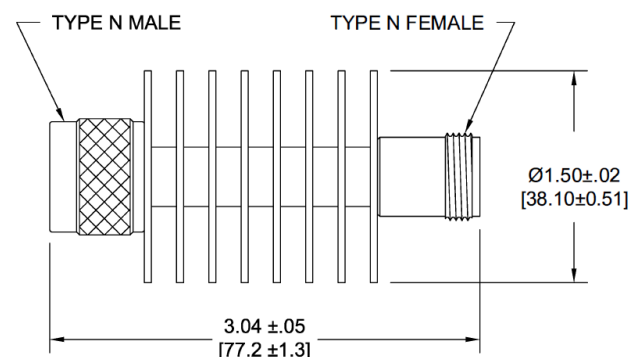
MODELS: 18N20W-XX, 18N20W-XXF & 18N20W-XXM

Technical Specifications

Parameter	Value		
Electrical			
Frequency Range	DC – 18 GHz		
Standard dB Values	0, 3, 6, 10, 20, 30, & 40 dB		
Attenuation Accuracy	DC – 6 GHZ	6 – 12.4 GHZ	12.4 – 18 GHZ
3 & 6 dB	±0.3 dB	±0.5 dB	±0.75 dB
10 & 20 dB	±0.5 dB	±0.75 dB	±1.0 dB
30 & 40 dB	±0.75 dB	±1.0 dB	±1.5 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	20 Watts Average @ 25°C Derated linearity to 4 watts @ +125°C		
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	Inches	Millimeters
Male/Female – 18N20W-XX	3.04 ± .05	[77.2 ± 1.3]
Female/Female – 18N20W-XXF	3.12 ± .05	[79.3 ± 1.3]
Male/Male – 18N20W-XXM	2.95 ± .05	[74.9 ± 1.3]



How To Order

Model #: **18N20W-XXY**

dB Value

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

Order Example

Model number: 18N20W-20
 DC-18 GHz, 20 dB, Type N, male/female

**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.