

Attenuators Type N

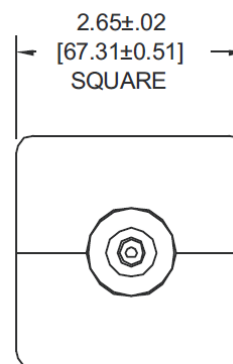
**up to 18 GHz
25 Watts**

MODELS: 18N25W-XX, 18N25W-XXF & 18N25W-XXM

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	±0.30 dB	±0.50 dB	±0.75 dB
7 – 20 dB	±0.50 dB	±0.75 dB	±1.00 dB
21 – 30 dB	±0.75 dB	±1.00 dB	±1.25 dB
31 – 40 dB	±1.00 dB	±1.25 dB	±1.50 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	25 Watts Average @ 25°C <i>Derated linearity to 5 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.

Connector Configuration	Inches	Millimeters
Male/Female – 18N25W-XX	4.50 ± .05	[114.3 ± 1.3]
Female/Female – 18N25W-XXF	4.58 ± .05	[116.3 ± 1.3]
Male/Male – 18N25W-XXM	4.41 ± .05	[112.0 ± 1.3]

How To Order

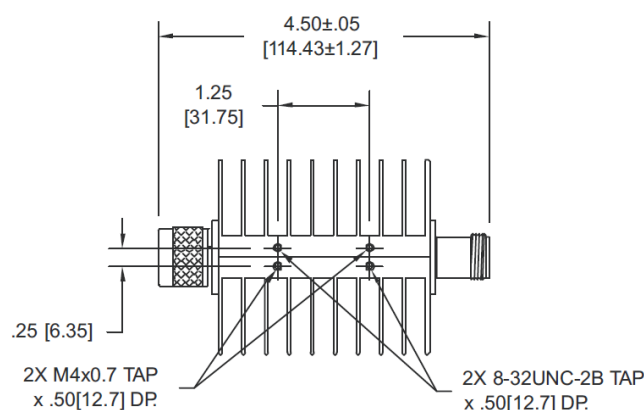
Model #: **18N25W-XXY**

dB Value

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

Order Example

Model number: 18N25W-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.