

ATTENUATORS

TYPE N

up to 18 GHz

50 Watts

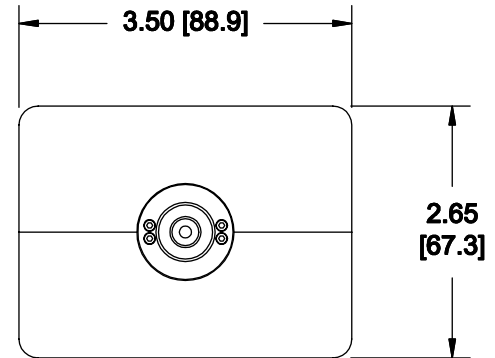


MODELS: XXN50W-XX, XXN50W-XXF & XXN50W-XXM

SPECIFICATIONS:

Electrical:

Frequency Range	DC - 18.0 GHz		
Standard Freq. Values	2.5, 6, 12.4 & 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	±0.50 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 Avg. @ 25°C		
	DERATED LINEARLY TO 10 WATTS @ +125°C		
Peak Power	500 Watts Max.		
	(5uSec Pulse, .05% Duty Cycle)		
Impedance	50 Ohms		
Operating Temp Range	-65°C to +125°C		



END VIEW
TYPICAL

Units must be Mounted in such a way as to Allow for Free Air Flow Around fins to Insure Performance

Mechanical:

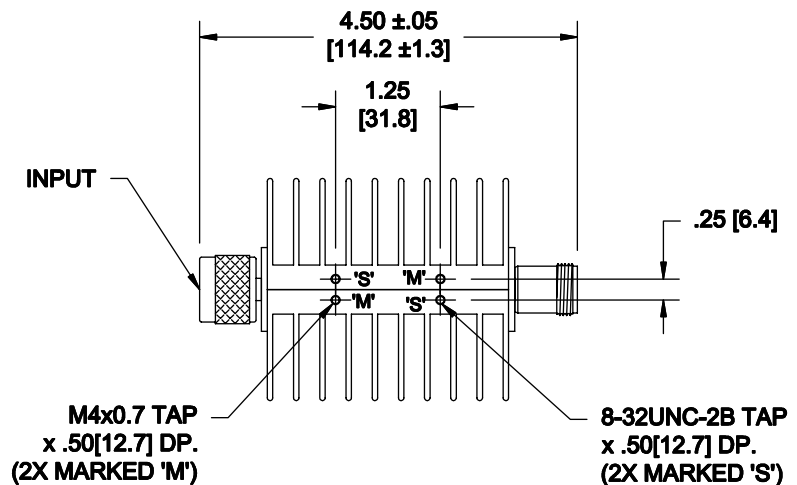
Type N Connectors	Passivated Stainless Steel
	<small>Mates with MIL-STD-348</small>
Conductors	Gold Plated Beryllium Copper
Housing	Anodized Aluminum

Note: Units are Unidirectional, Therefore Input Connector MUST be Specified & will be Indicated on Unit

Model Number: **XXN50W-XX**
Male/Female Connectors
Length: 4.50 ±0.05 [114.2 ±1.3]
Pictured

Model Number: **XXN50W-XXF**
Female/Female Connectors
Length: 4.58 ±0.05 [116.2 ±1.3]

Model Number: **XXN50W-XXM**
Male/Male Connectors
Length: 4.41 ±0.05 [112.0 ±1.3]



HOW TO ORDER:

Model Number: XXN50W-XXY	
Freq. Range	Connector Configuration
2 = DC - 2.5 GHz	= Male/Female
6 = DC - 6 GHz	F = Fem/Fem
12 = DC - 12.4 GHz	M = Male/Male
18 = DC - 18 GHz	
	dB Value

Ordering Examples:

Model Number: **18N50W-20**
DC - 18 GHz; 20 dB; Type N - Male/Fem

Model Number: **6N50W-02F**
DC - 6 GHz; 2 dB; Type N - Fem/Fem

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
*Other dB units are also available. Units that operate over a more specific wave band and/or offer very low return loss (VSWR) are also available.

XXN50W-XX; REV C