

Attenuator, Type N

Model 6N100W

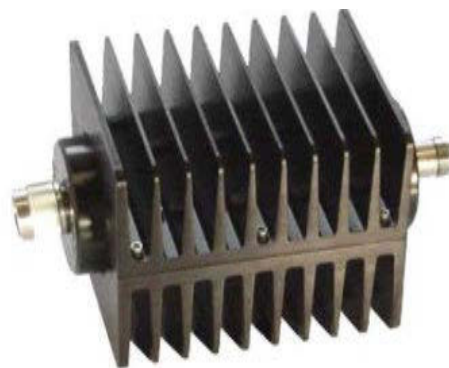
Features

- Compact physical design
- Ruggedized construction
- Unidirectional
- Optimized for test applications

Technical Specifications

Parameter		Value	
Frequency Range		DC to 6 GHz	
Standard Freq. Values		2.5 & 6 GHz	
Standard dB Values		3, 6, 10, 20, 30 & 40	
Attenuation Accuracy (dB)			
<u>dB Value</u>	<u>DC-1.5 GHz</u>	<u>1.5-2.5 GHz</u>	<u>2.5-6 GHz</u>
3 & 6	±0.50dB	±0.50dB	±0.75dB
10	±0.75dB	±0.75dB	±2.50dB
20 & 30	±0.75dB	±0.75dB	±1.50dB
40	±1.50dB	±1.50dB	±2.50dB
VSWR (Max)	1.25:1	1.35:1	1.45:1
Input Power		100 Watts Avg. @+25°C <i>Derated Linearly to 20 Watts @ +125°C</i>	
Reverse Power		20 Watts Max.	
Peak Power		1 kW Max. <i>(5µSec Pulse, .05% Duty Cycle)</i>	
Impedance		50 Ohms	
Operating Temp. Range		-55°C to +125°C	

Frequency Range:DC to 6.0GHz
Power: 100 Watts



Mechanical

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

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

How to Order

6N100W - XXY

dB Value
03 = 3dB
10 = 10dB

Conn Config.
= Male/Female
F = Fem/Fem
M = Male/Male

Order Example

Model Number: 6N100W-10

DC-6 GHz, 10 dB, Type N Male/Fem

Attenuator, Type N

Model 6N100W

Frequency Range: DC to 6.0GHz

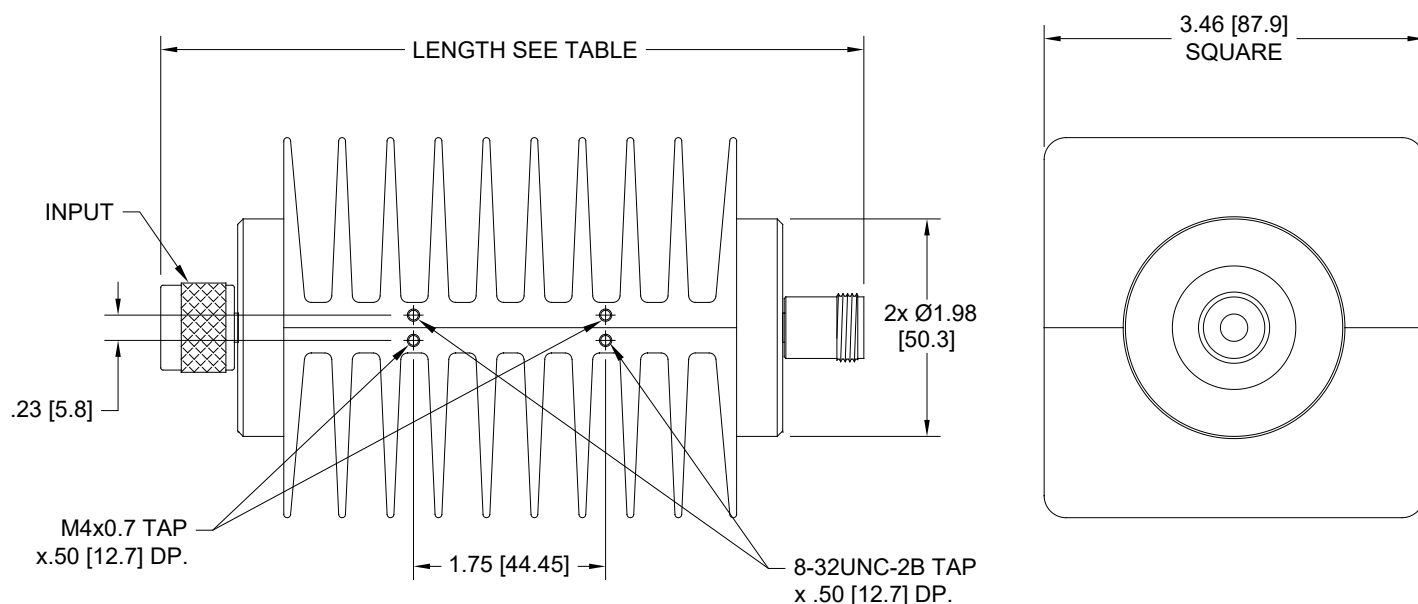
Power: 100 Watts

Physical Dimensions

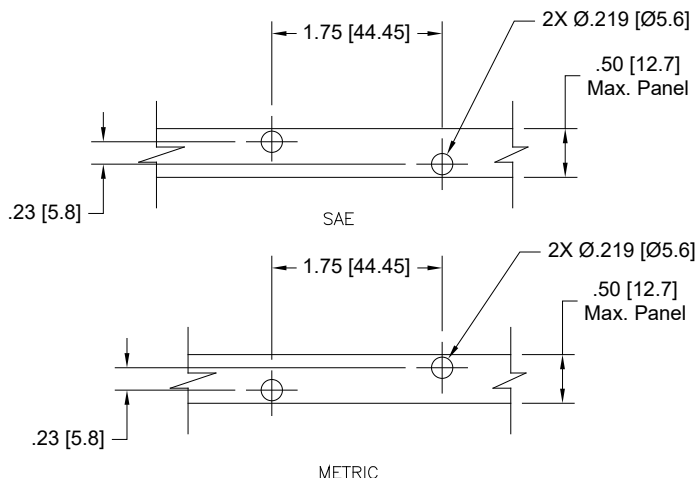
Model Number: 6N100W-03 shown

Units are unidirectional, therefore input connector must be specified and will be indicated on unit.

Dimensions in Brackets are in millimeters and are for reference only.



Recommended Mounting



Model number	Conn. Config.	Length
6N100W-XX	Male/Fem	6.36 ±.05 [161.5 ±1.3]
6N100W-XXF	Fem/Fem	6.45 ±.05 [163.8 ±1.3]
6N100W-XXM	Male/Male	6.28 ±.05 [159.5 ±1.3]