

# High Power Termination DC – 4GHz





#### **Features**

- Ultra high power handling 50W
- Ultra high peak power 2KW
- Wide band operation
- Low VSWR

## **Typical Applications**

- Test and Measurement
- Military and Aerospace
- Wireless Infrastructure

# Electrical Specifications , $T_A=25$ °C

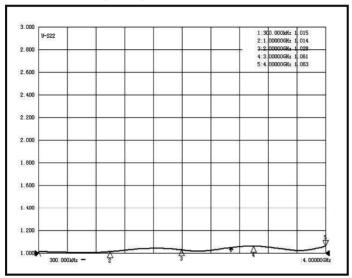
Parameters	Min.	Тур.	Max.	Units
Frequency Range	DC		4	GHz
VSWR			1.20	:1
CW Power Handling	50 W			
Peak Power Handling (5µs pulse, 0.5% Duty Cycle)	2 KW			
Connector Type	SMA,N,TNC,7/16			

#### **Environmental Specifications and Test Standards**

Parameter	Standard	Description		
Operational Temperature	MIL-STD-39016	-40°C~+85°C		
Storage Temperature		-55°C~+125°C		
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)		
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS		
Electrical & Temperature Burn In		Temperature +85°C for 72 Hours		
Shock		<ol> <li>Weight &gt;20g, 50g half sine wave for 11ms, Speed variation 3.44m/s</li> <li>Weight &lt;=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s</li> <li>Total 18 times (6 directions, 3 repetitions per direction).</li> </ol>		
Altitude		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)		
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)		

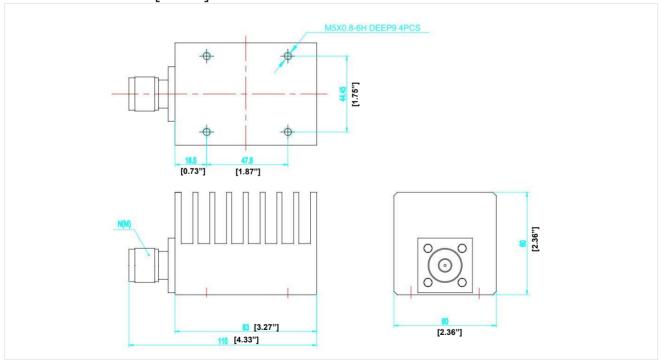


#### VSWR vs. Frequency



## **Outline Drawing:**

All Dimensions in mm [inches]



#### **Important Notice**

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