

50W High Power Embedded Termination DC-3GHz



Key Features

- High Power Handling: 50W
- Low VSWR

Typical Applications

- Research and Development
- Wireless Infrastructure
- Test and Measurement
- Microwave Subsystems
- 5G LTE Communications

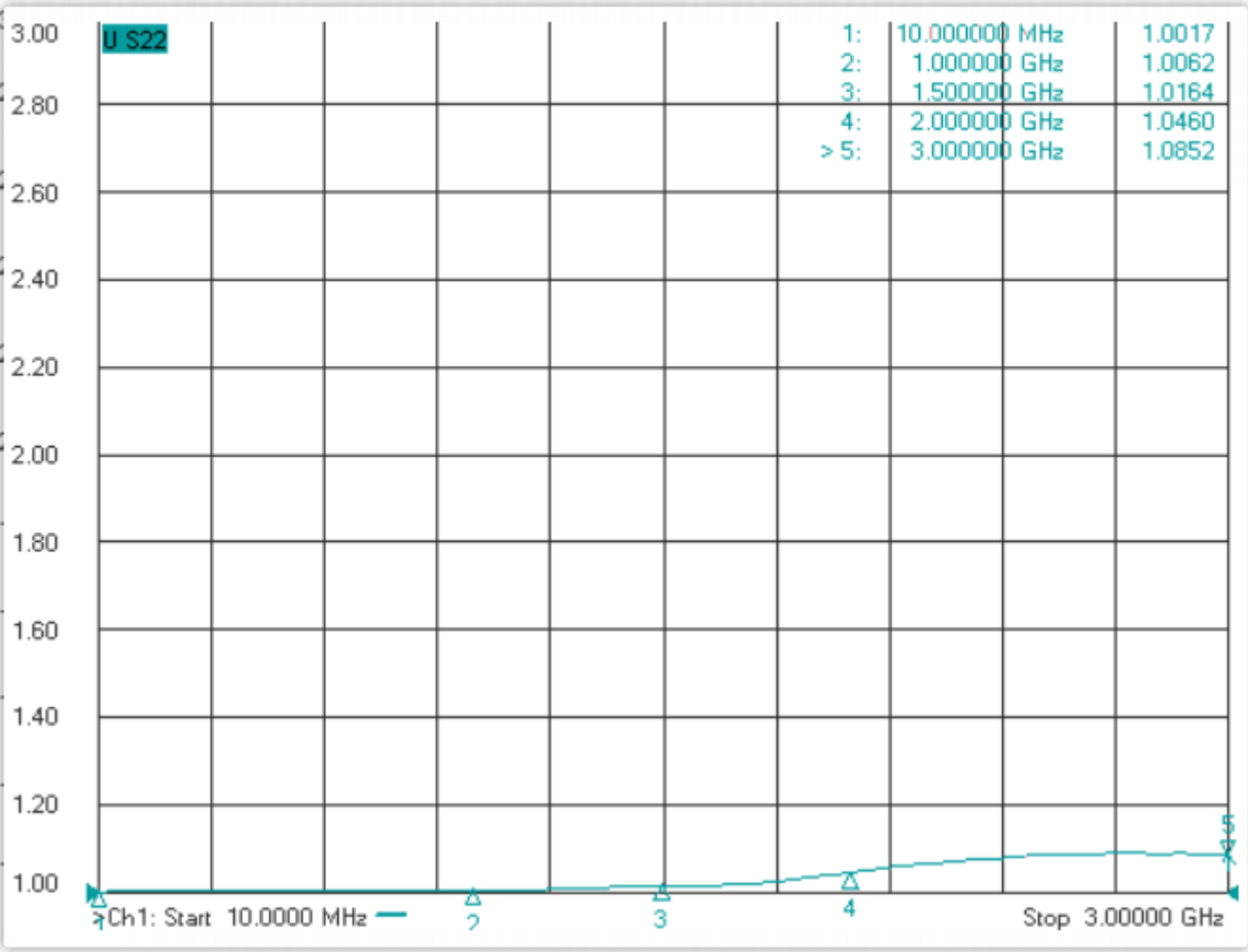
Electrical Specifications, $T_A=25^{\circ}\text{C}$

Parameters	Min.	Typ.	Max.	Units
Frequency Range	DC		3	GHz
VSWR			1.25	:1
Average Power			50	W
Peak Power			1	KW
Impedance	50			Ω
Weight	-			OZ
Coaxial Connector	N,SMA			
Material	Aluminum			

Environmental Specifications and Test Standards

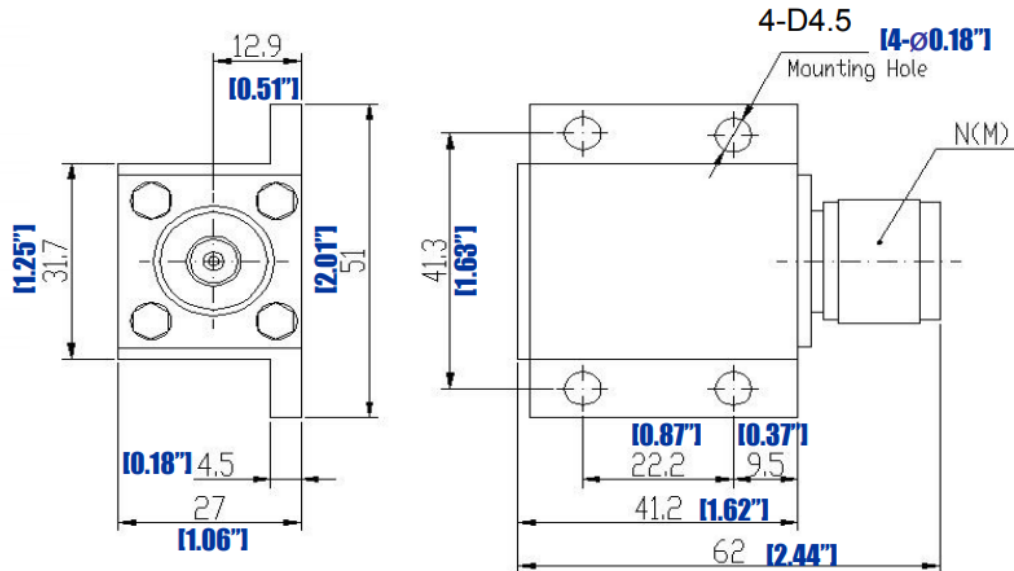
Parameter	Description
Operational Temperature	-40°C to +85°C (Case Temperature)
Storage Temperature	-55°C to +105°C
Thermal Shock	-40°C $\rightarrow$ +85°C (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C for 72 Hours
Shock	1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
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 (For Hermetically Sealed Units)

Typical Performance Plots



Outline Drawing

All Dimensions in mm [inches]



Note: Standard torque wrench must be used to secure RF connectors.



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