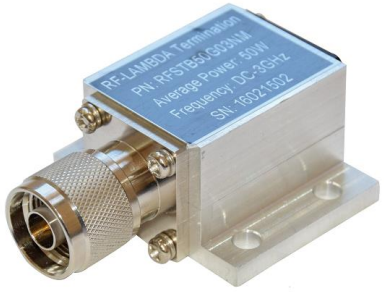
100W High Power Embedded Termination



Picture is for illustration purpose only.
Please refer to outline drawing.

RoHS Compliant

Features

- Ultra high power
- Ultra high peak power
- Wide band operation

Electrical Specifications ,T_A=25 ℃

Part Number	Frequency	Average Power	Peak Power	VSWR
RFSTB100G04	DC - 4GHz	100W	5KW	1.20
RFSTB100G08	DC – 8GHz	100W	5KW	1.25
RFSTB100G18	DC – 18GHz	100W	5KW	1.55
Coaxial Connector	N, SMA			
External Body Finish	Body painted with gray / black epoxy enamel			

Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-45℃~+85℃
Storage Temperature		-55℃~+125℃
Thermal Shock		1 Hour@ -45℃ → 1 Hour @ +85℃ (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85℃ 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	MIL-STD-883 (For Hermetically Sealed Units)

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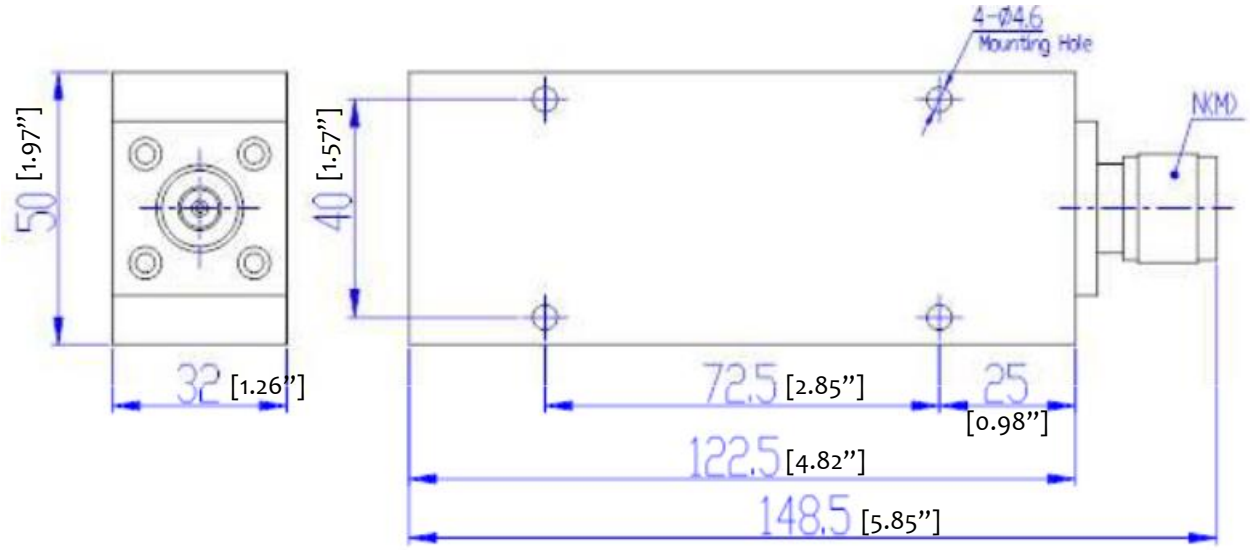
Outline Drawing:

All Dimensions in mm [inches]



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