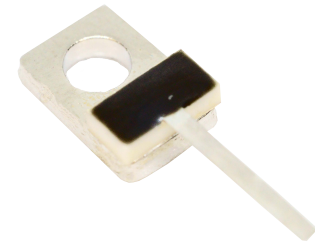




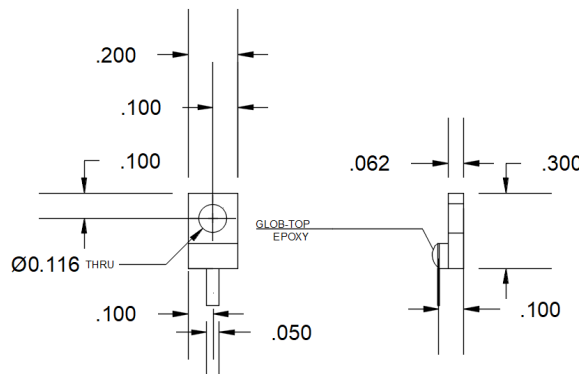
DC - 4.0 GHz.

Model: TVC30-50



The TVC30-50 is a 50 ohm, Beryllium Oxide bolt down termination. It has an input average power of 30watts, while at a constant mounting surface temperature of 100 °C. It offers a frequency range from DC - 4.0 GHz. with an excellent VSWR of 1.6:1 maximum at 4.0 GHz.

The package is an industry standard which is a direct drop-in replacement for existing legacy products. This allows for easy changeover for new designs and replacing older outdated marginal devices that may have degraded or drifted over time. Applications include Medical, Broadcast, Industrial, Commercial Wireless, Military and Space. 50 Ω is the standard value. We can offer any resistance value from 0-1000 Ω. Please contact the factory for any special requirements.



ELECTRICAL SPECIFICATION

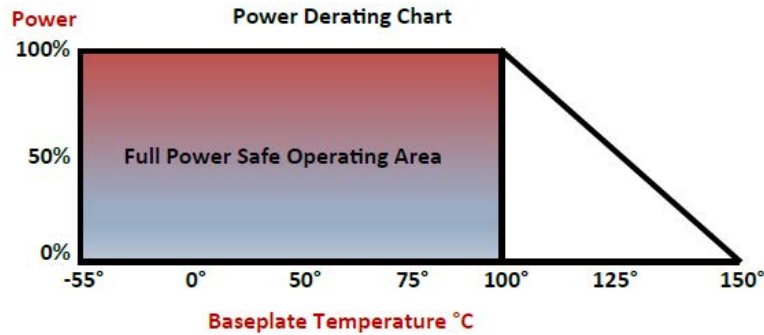
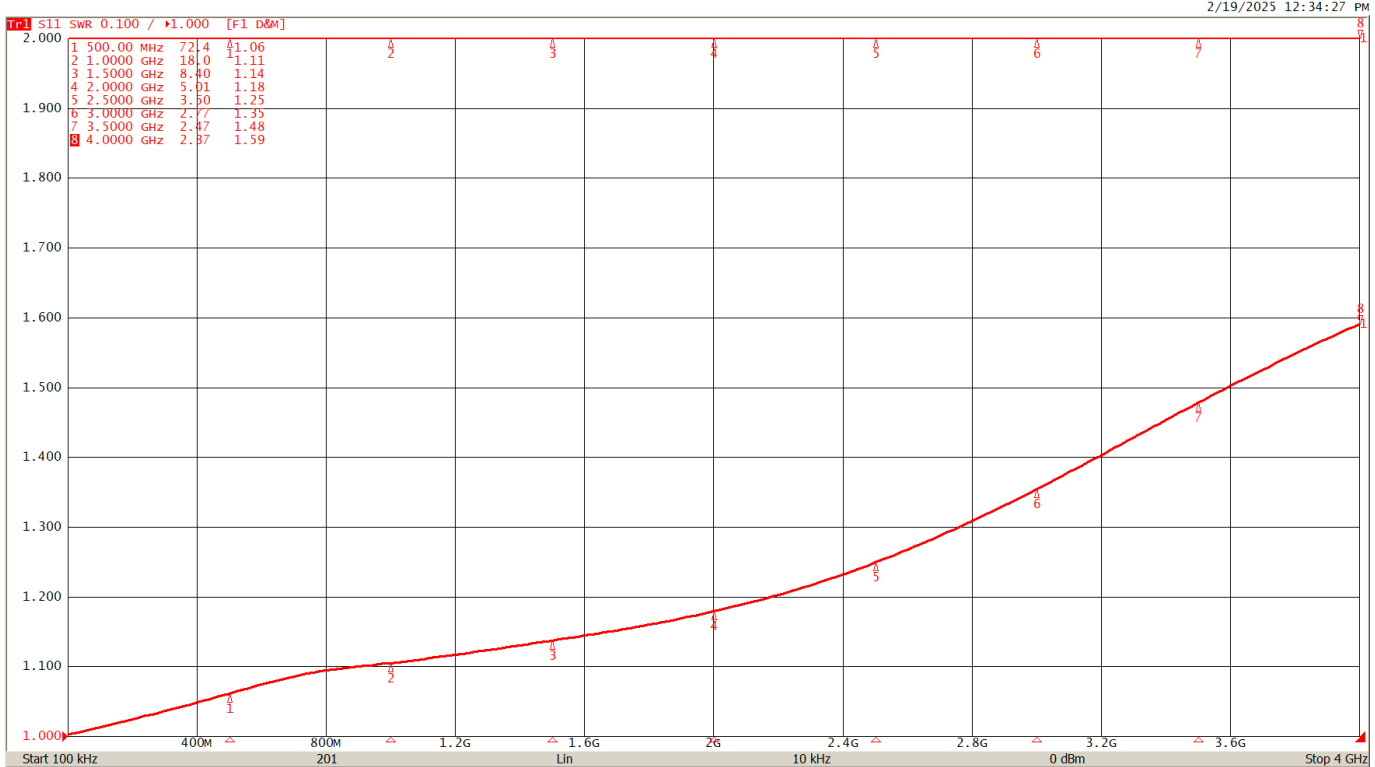
Frequency Range: DC - 4.0 GHz.
Impedance: 50 Ω
DC Resistance: 50 Ω ±5%
Average Power: 30W (See Power vs Temp. Chart)
Peak Power: 800W (10µs pulse, 1% duty cycle)
VSWR: 1.16:1 Max. @ 4.0 GHz.
Operating Temp.: -55° C to +150° C

MECHANICAL SPECIFICATION

Substrate: Beryllium Oxide, 99%
Resistor: Thick Film
Flange Material: Copper, Nickel plate per QQ-N-290
Cover Material: Glob-Top Thermal Epoxy
Storage Temp: -55° C To +175° C
Part Numbering:



Typical Performance Data VSWR



Mechanical Mounting

THREAD SIZE	TORQUE SETTING
2-56	4 inch-pounds
4-40	6 inch-pounds
6-32	8-inch-pounds
8-32	12-inch-pounds

SUGGESTED MOUNTING AND TAB STRESS RELIEF METHOD

