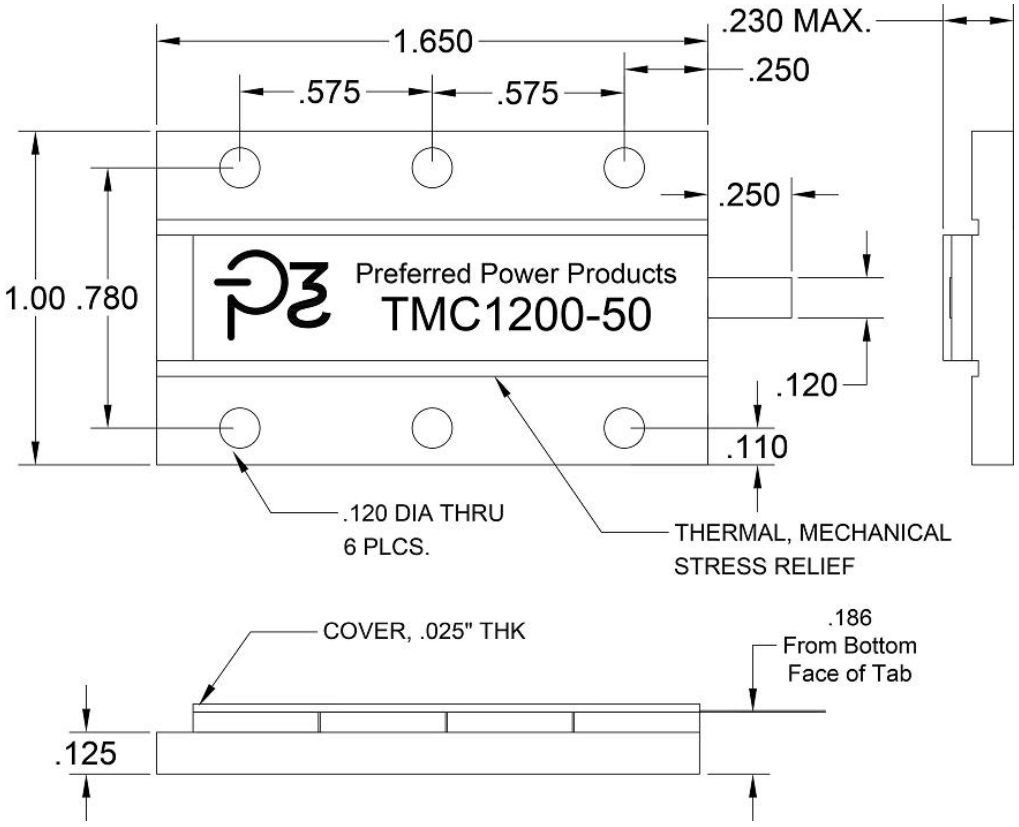
DC - 2.0 GHz.

Model: TMC1200-50

The TMC1200-50 is a 50 ohm, Beryllium Oxide bolt down termination. It has an input average power of 800 watts CW and 1200 watt pulse of 20 Mili-sec with a 40% duty cycle while maintaining a constant mounting surface temperature of 100 °C. It offers a frequency range from DC - 2.0 GHz. with an excellent VSWR of 1.15 typical and a maximum of 1.30 at 2.0 GHz.

The package is custom designed utilizing a Tungsten/Copper Gold plated flange and is a multi-chip design for even thermal distribution. This termination is an excellent choice for easy changeover for new designs and replacing older outdated marginal devices that may have degraded or drifted over time.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

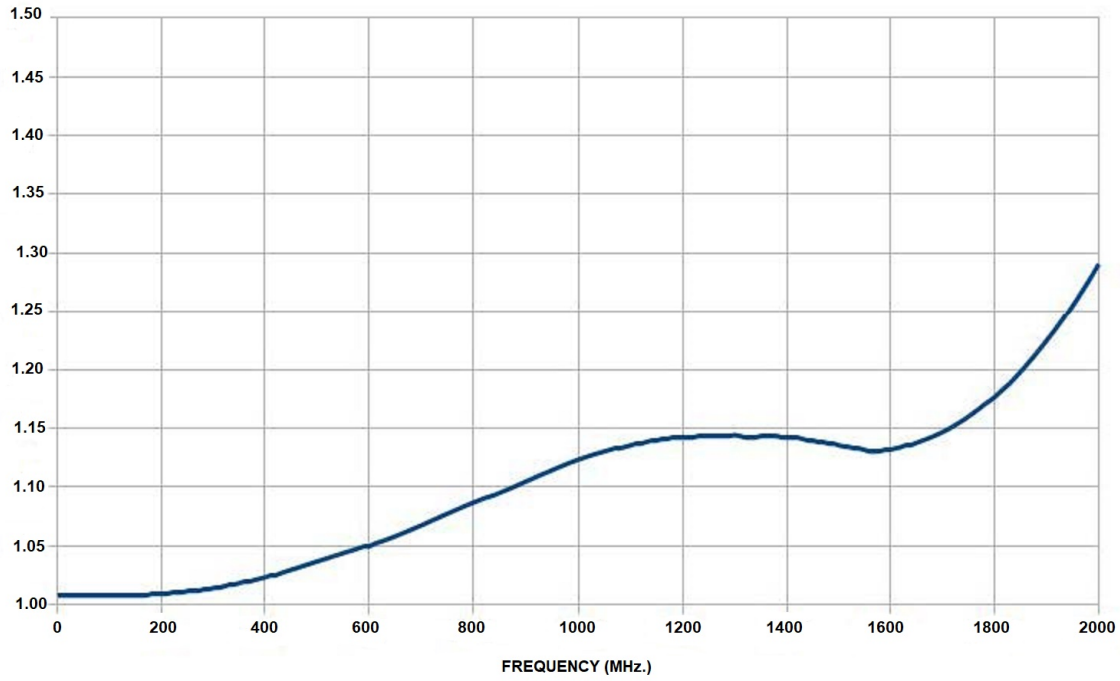
Frequency Range:	DC - 2.0 GHz.
Impedance:	50 Ω
DC Resistance:	50 Ω ±5%
Average Power:	800W (See Power vs Temp. Chart)
Peak Power:	1200W (20Ms pulse,40% duty cycle)
VSWR:	1.15:1 Typ. 1.30:1 Max. @ 2.0 GHz.
Operating Temp.:	-55º C to +150º C

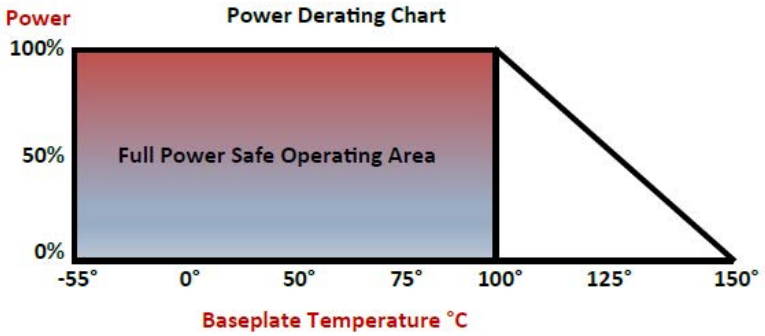
MECHANICAL SPECIFICATION

Substrate:	Beryllium Oxide, 99%
Resistor:	Thick Film
Flange Material:	Tungsten/Copper, AU Over Ni Plate
Cover Material:	Alumina
Storage Temp:	-55º C To +175º C
Part Numbering:	**TMC 1200 - XXX**
	Series Watts Resistance (Ω)

Typical Performance Data

VSWR

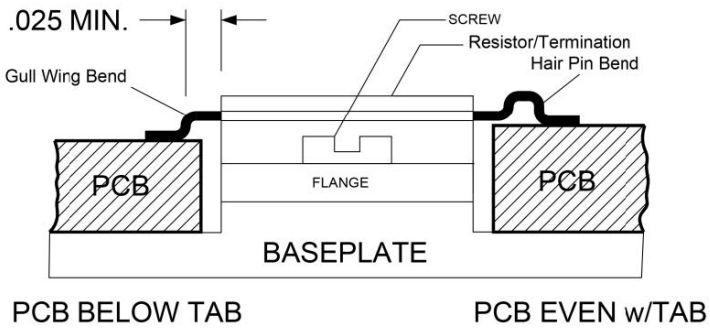




Mechanical Mounting

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



Specifications subject to change without notice