Model 150-50TCGN

RF Power

Flangeless Termination
150 Watts, 50Ω

Features:

- **DC – 3.0 GHz**
- **150 Watts**
- **BeO Ceramic**
- **Non-Nichrome Resistive Element**
- **Low VSWR**
- **100% Tested**

General Specifications

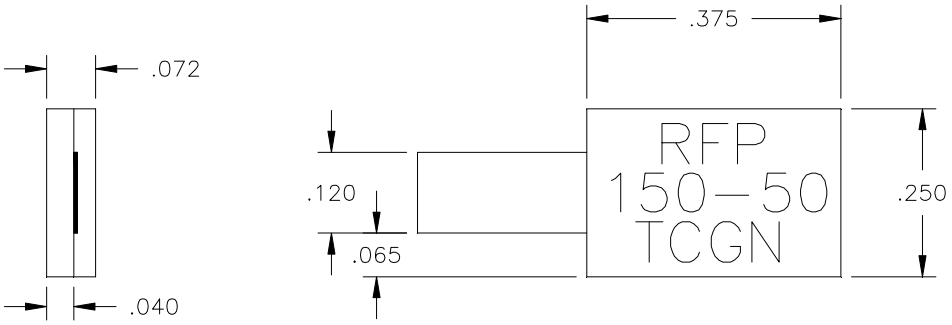
Resistive Element	Thick film
Substrate	Beryllium oxide ceramic
Cover	Alumina Ceramic
Lead(s):	99.9% pure silver (.006 thick)
Terminals	Thick film silver

Electrical Specifications

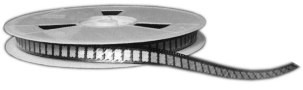
Resistance Range:	50 ohms, ± 5%
Frequency Range;	DC – 3.0 GHz
Power:	150 Watts
VSWR	1.10:1 DC – 1.0 GHz 1.30:1 DC – 2.0 GHz 1.40:1 DC – 3.0 GHz

Note: Tolerance is ±0.010", unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. Operating temperature is -55ºC to 150ºC (see chart for derating temperatures).
All dimensions in inches.
Specifications subject to change with out notice.

Outline Drawing



150-50TCGN (097) Rev A



Available on Tape and Reel For Pick and Place Manufacturing.

USA/Canada: (315) 432-8909
Toll Free: (800) 544-2414
Europe: +44 2392-232392

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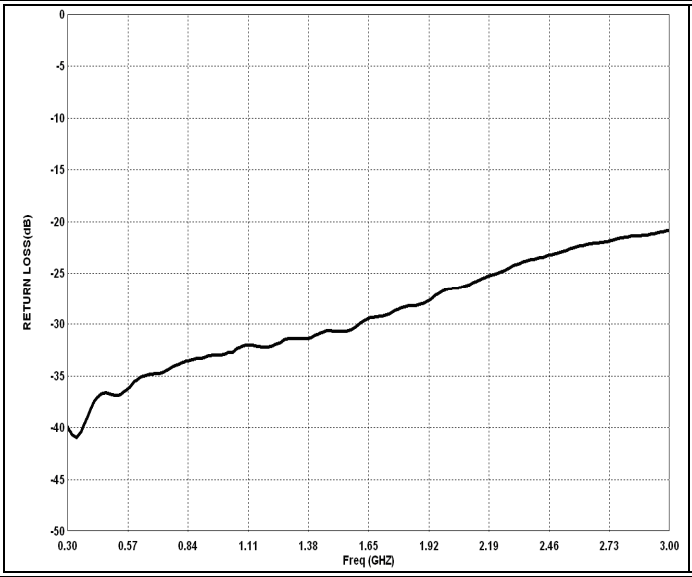
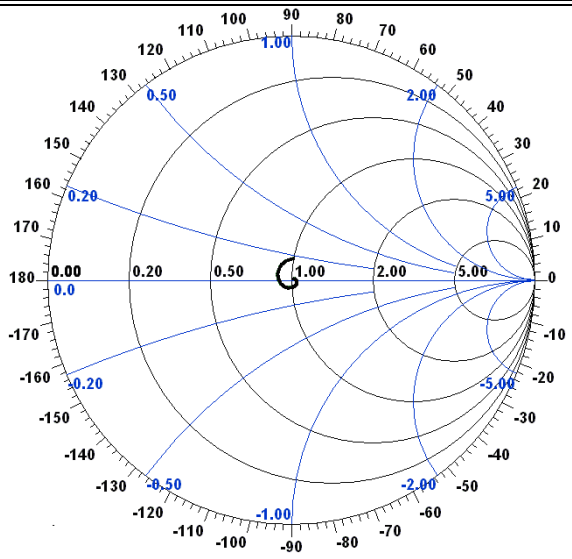
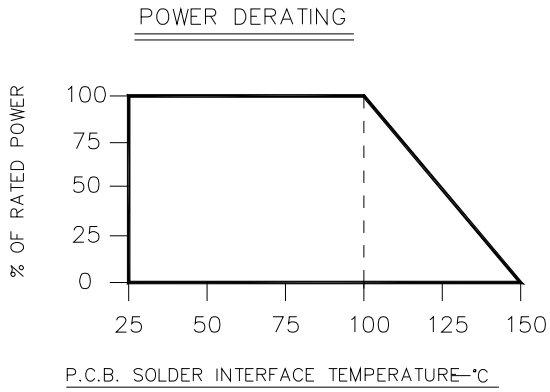
Typical Performance:

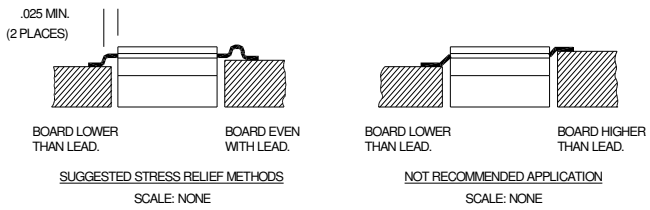




Power De-rating:



Mounting Footprint and Procedure:



SUGGESTED MOUNTING PROCEDURES:

1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.
2. POSITION DEVICE ON MOUNTING SURFACE AND SOLDER IN PLACE USING AN APPROPRIATE TYPE SOLDER.
3. SOLDER LEADS IN PLACE USING AN APPROPPRIATE TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON. KEEP LEAD LENGTH AS SHORT AS POSSIBLE USING A SUGGESTED STRESS RELIEF METHOD.

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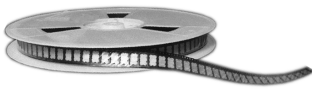

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What'll we think of next?™