



Flanged Termination
10 Watts, 50Ω



General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide ceramic
Cover	Alumina ceramic
Mounting flange	Copper, nickel plated per QQ-N-290
Leads	99% pure silver (.005" thick)

Features:

- DC-4.0 GHz
- 10 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Welded Silver Leads
- 100% Tested
- RoHS Compliant

Electrical Specifications

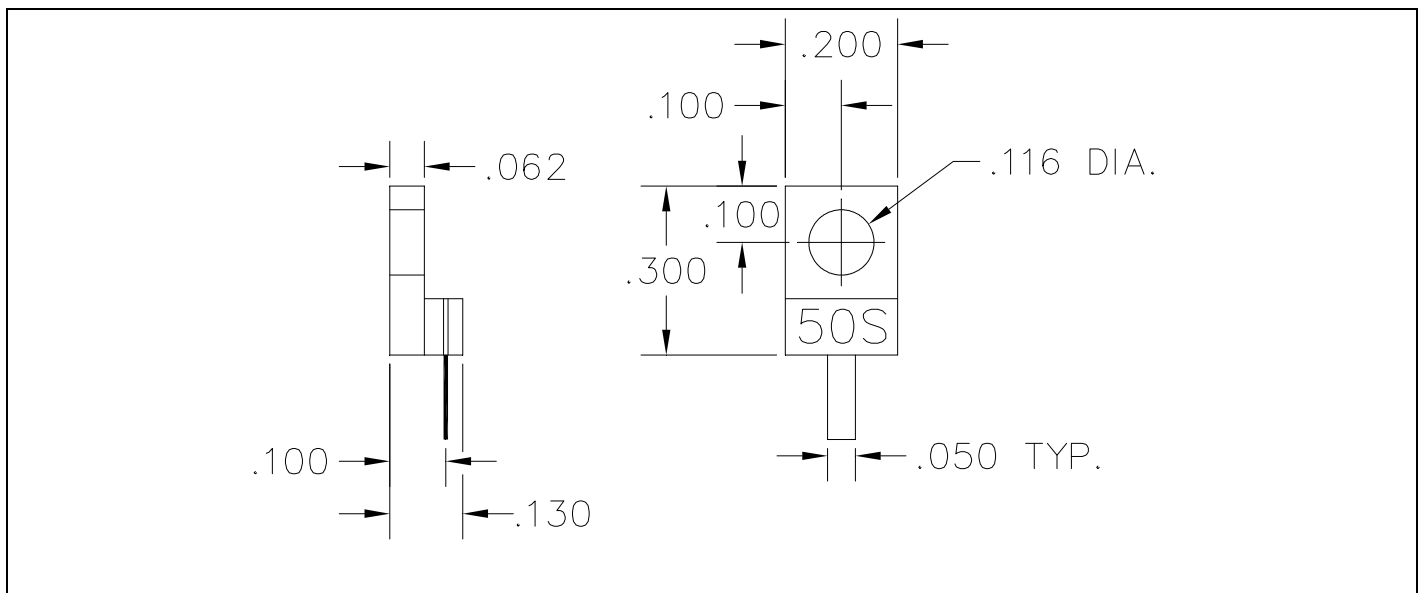
Resistance Range:	50 Ohms, $\pm 5\%$
Frequency Range;	DC-4.0 GHz
Power:	10 Watts
V.S.W.R.	1.25:1

Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. Operating temperature is -55°C to 150°C (see chart for derating temperatures).

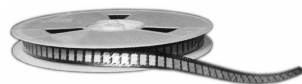
All dimensions in inches.

Specifications subject to change with out notice.

Outline Drawing

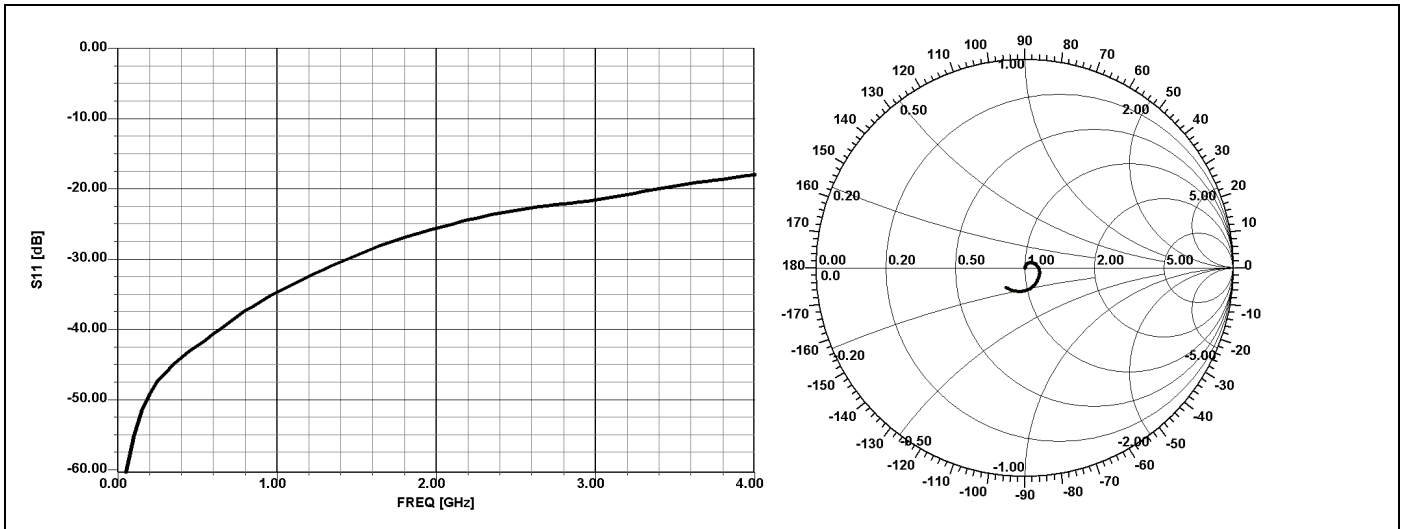


10-50TVC-S (097) Rev B

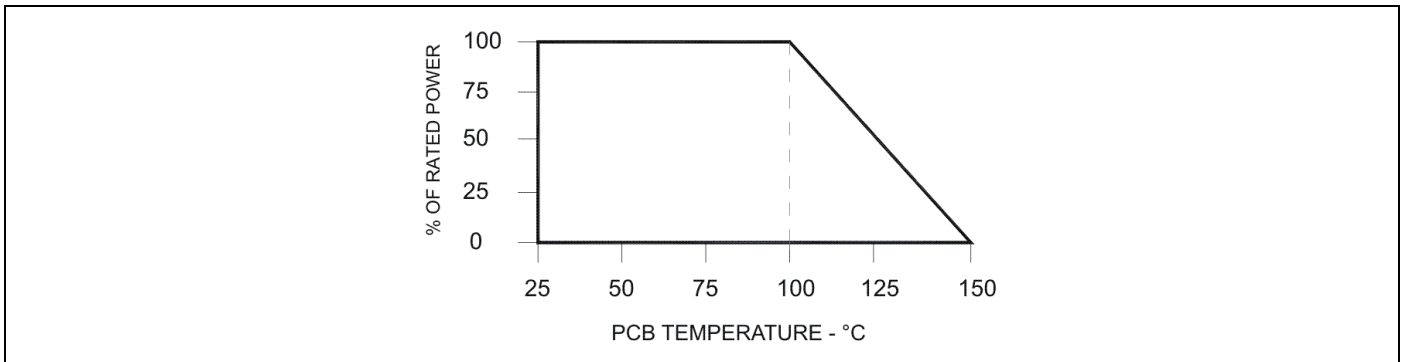




Typical Performance:



Power De-rating:



Mounting Footprint and Procedure:

SUGGESTED STRESS RELIEF METHODS
SCALE: NONE

Left diagram: BOARD LOWER THAN LEAD. Shows a cross-section of the device with a .025 MIN. gap between the board and the lead. Right diagram: BOARD EVEN WITH LEAD. Shows the board flush with the lead.

NOT RECOMMENDED APPLICATION
SCALE: NONE

Left diagram: BOARD LOWER THAN LEAD. Shows the board lower than the lead. Right diagram: BOARD HIGHER THAN LEAD. Shows the board higher than the lead.

SUGGESTED MOUNTING PROCEDURES:

1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.
2. DRILL & TAP THE HEATSINK FOR THE APPROPRIATE THREAD SIZE TO BE USED.
3. COAT HEATSINK WITH A MINIMUM AMOUNT OF HIGH QUALITY SILICONE GREASE (.001" MAX. THICKNESS).
4. POSITION DEVICE ON MOUNTING SURFACE & SECURE USING SOCKET HEAD SCREWS, FLAT & SPLIT WASHER. TORQUE SCREWS TO THE APPROPRIATE VALUE. MAKE SURE THAT THE DEVICE IS FLAT AGAINST THE HEATSINK. (CARE SHOULD BE TAKEN TO AVOID UPWARD PRESSURE OF THE LEADS TOWARDS THE LID).
5. SOLDER LEADS IN PLACE USING AN APPROPRIATE TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON (700°F).

10-50TVC-S (097) Rev B

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