



Flanged Termination 60 Watts, 50Ω



General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide ceramic
Cover	Alumina Ceramic
Mounting Flange	Copper, Nickel plated per QQ-N-290
Lead(s):	99.9% pure silver (.006 thick)
Operating Temperature	-55 to +150°C (see chart)

Features:

- DC – 6.0 GHz
- 60 Watts
- BeO Ceramic
- Welded Silver Leads
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

Electrical Specifications

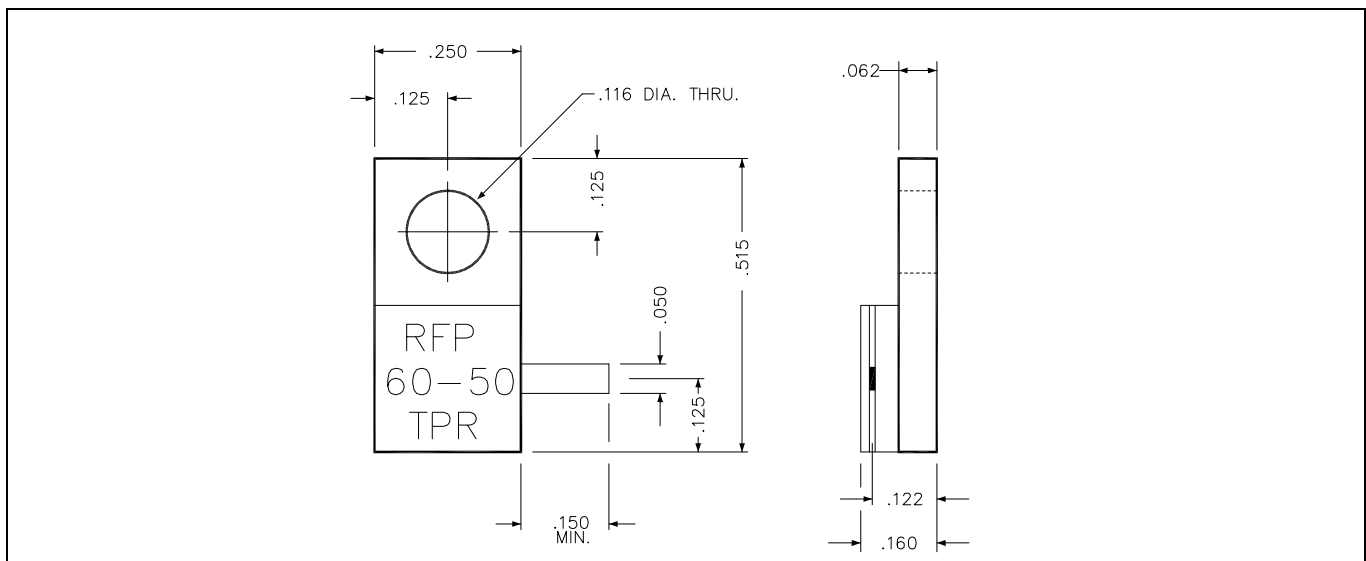
Resistance Value:	50 ohms, ± 5%
Frequency Range:	DC – 6.0 GHz
Power:	60 Watts
V.S.W.R.	1.10:1 DC to 3.0 GHz 1.20:1 to 4.0 GHz 1.25:1 to 6.0 GHz

Notes: Tolerance is ±0.010", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions in inches. Lead length 0.150" minimum.

All dimensions in inches.

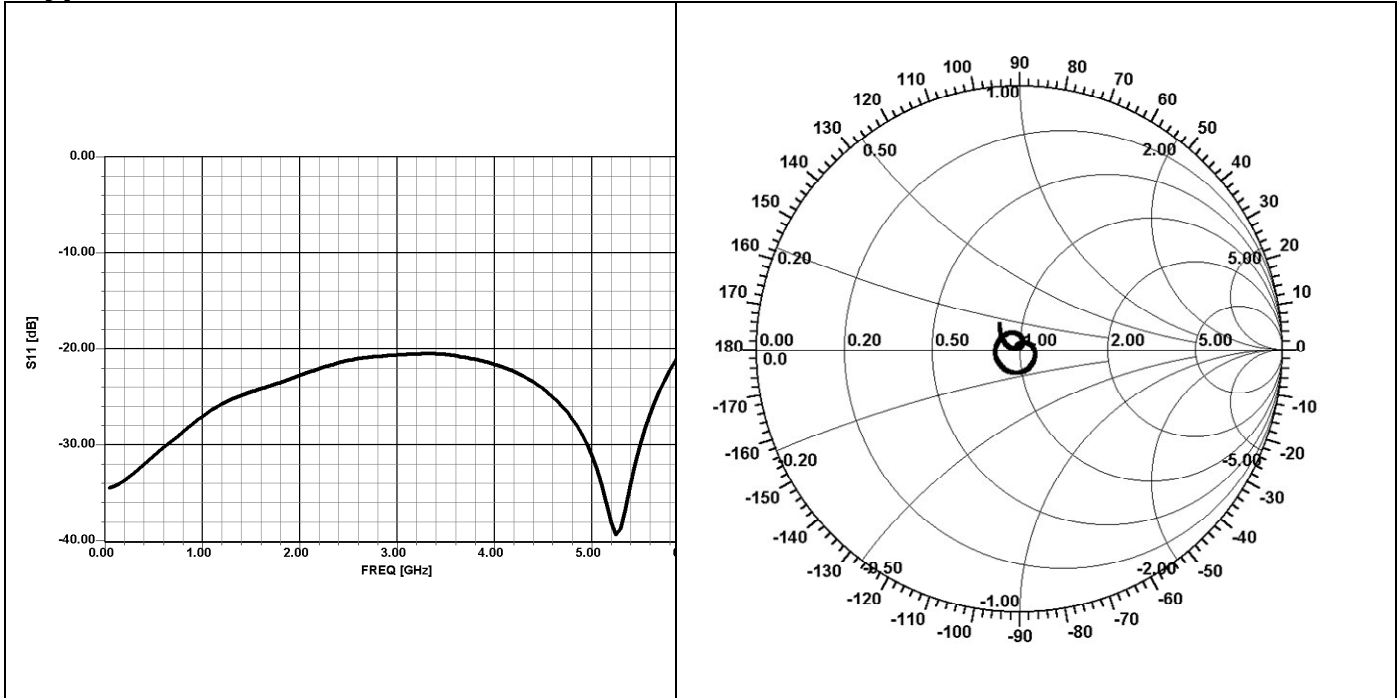
Specifications subject to change without notice.

Outline Drawing

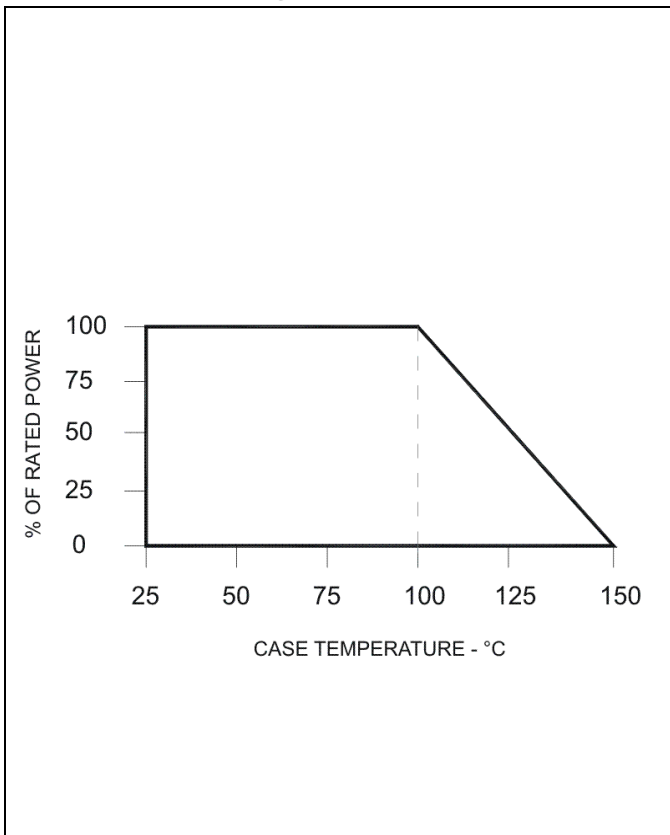


60-50TPR (097) Rev A

Typical Performance



Power Derating



Suggested Mounting Procedures

The diagrams illustrate two mounting scenarios. The left side shows 'SUGGESTED STRESS RELIEF METHODS' with two cases: 'BOARD LOWER THAN LEAD' and 'BOARD EVEN WITH LEAD'. The right side shows 'NOT RECOMMENDED APPLICATION' with two cases: 'BOARD LOWER THAN LEAD' and 'BOARD HIGHER THAN LEAD'. A dimension of 0.025 MIN. (2 PLACES) is indicated for the lead length.

1. Make sure that the devices are mounted on flat surfaces (0.001" under the device) to optimize the heat transfer.
2. Drill & tap the heatsink for the appropriate thread size to be used.
3. Coat the heatsink with a minimum amount of high quality silicone grease (0.001" max. thickness).
4. Position the device on mounting surface and secure using socket head screws, flat & split washers. 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 toward the lid).
5. Solder leads in place using an adequate solder with a controlled temperature iron.

60-50TPR (097) Rev A