



### Flanged Termination 60 Watts, 50Ω



#### General Specifications

<b>Resistive Element</b>	Thick film
<b>Substrate</b>	Beryllium oxide ceramic
<b>Cover</b>	Alumina Ceramic
<b>Mounting Flange</b>	Copper, Nickel plated per QQ-N-290
<b>Lead(s):</b>	99.9% pure silver (.006 thick)
<b>Operating Temperature</b>	-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

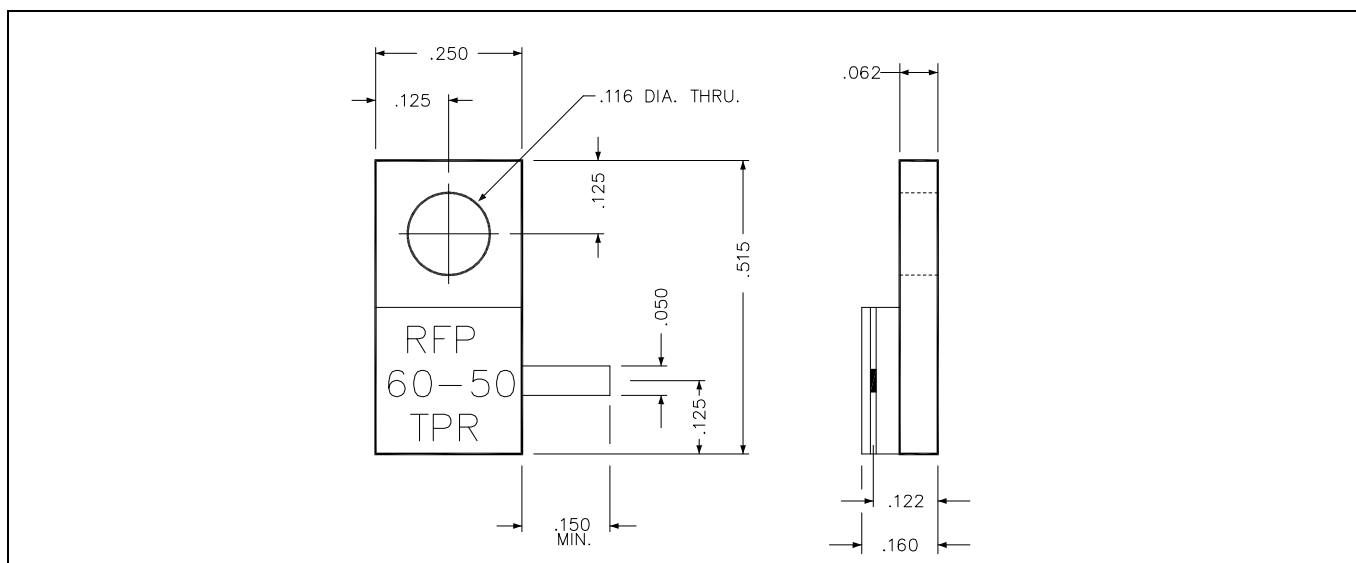
<b>Resistance Value:</b>	50 ohms, ± 5%
<b>Frequency Range:</b>	DC – 6.0 GHz
<b>Power:</b>	60 Watts
<b>V.S.W.R.</b>	1.10:1 DC to 3.0 GHz
	1.20:1 to 4.0 GHz
	1.25:1 to 6.0 GHz

**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.

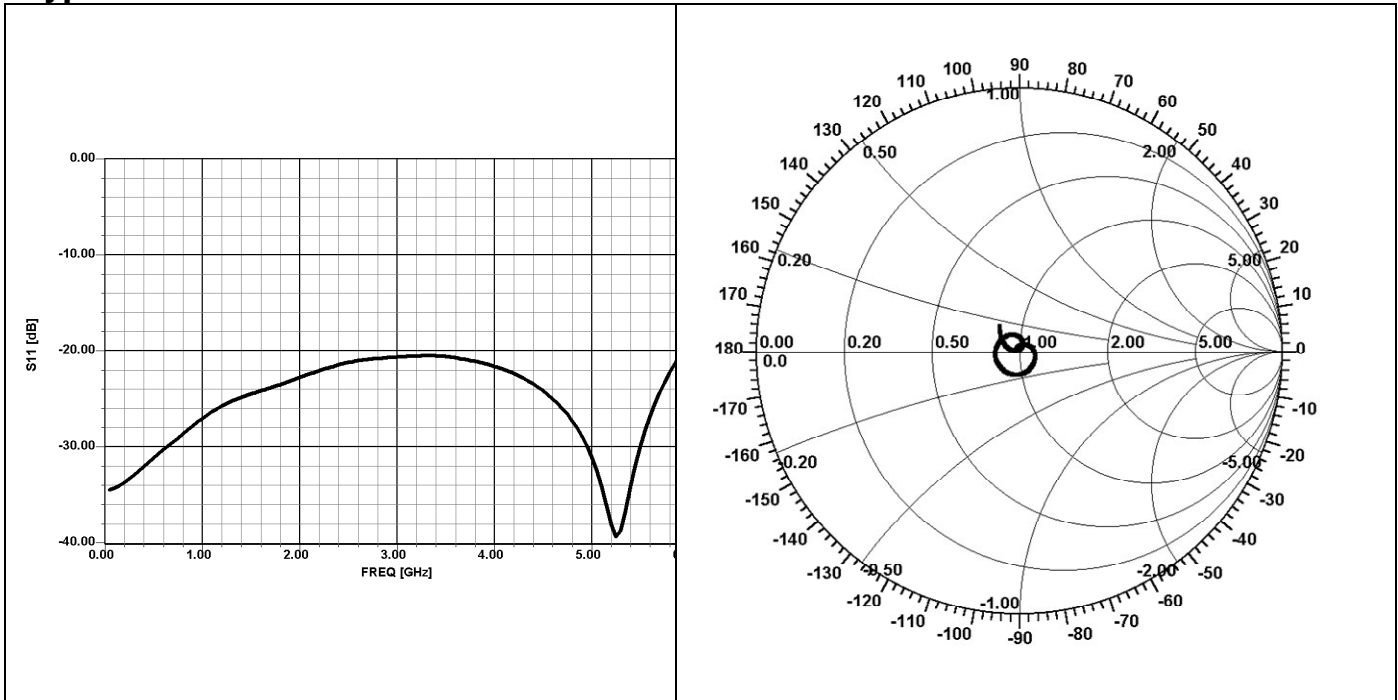
**Specifications subject to change without notice.**

#### Outline Drawing

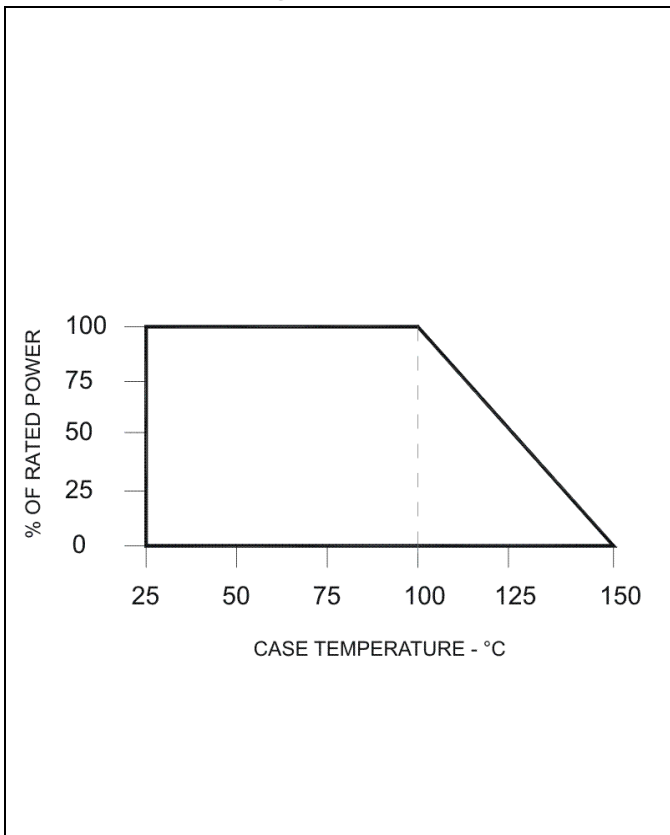


60-50TPR (097) Rev A

### Typical Performance



### Power Derating



### Suggested Mounting Procedures

The diagrams illustrate two mounting scenarios. The left side shows 'SUGGESTED STRESS RELIEF METHODS' with two sub-diagrams: 'BOARD LOWER THAN LEAD' and 'BOARD EVEN WITH LEAD'. The right side shows 'NOT RECOMMENDED APPLICATION' with two sub-diagrams: 'BOARD LOWER THAN LEAD' and 'BOARD HIGHER THAN LEAD'. A dimension of 0.025 MIN. (2 PLACES) is indicated for the lead height. Both diagrams include a 'SCALE: \_\_\_\_\_' label.

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