

Flanged Resistors 10 Watts, 100Ω



General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide ceramic
Cover	Alumina Ceramic
Lead(s)	99.99% pure Silver (.005" thk)
Mounting Flange	Copper, Nickel plated per QQ-N-290
Operating Temperature	-55 to +150°C (see chart)

Features:

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

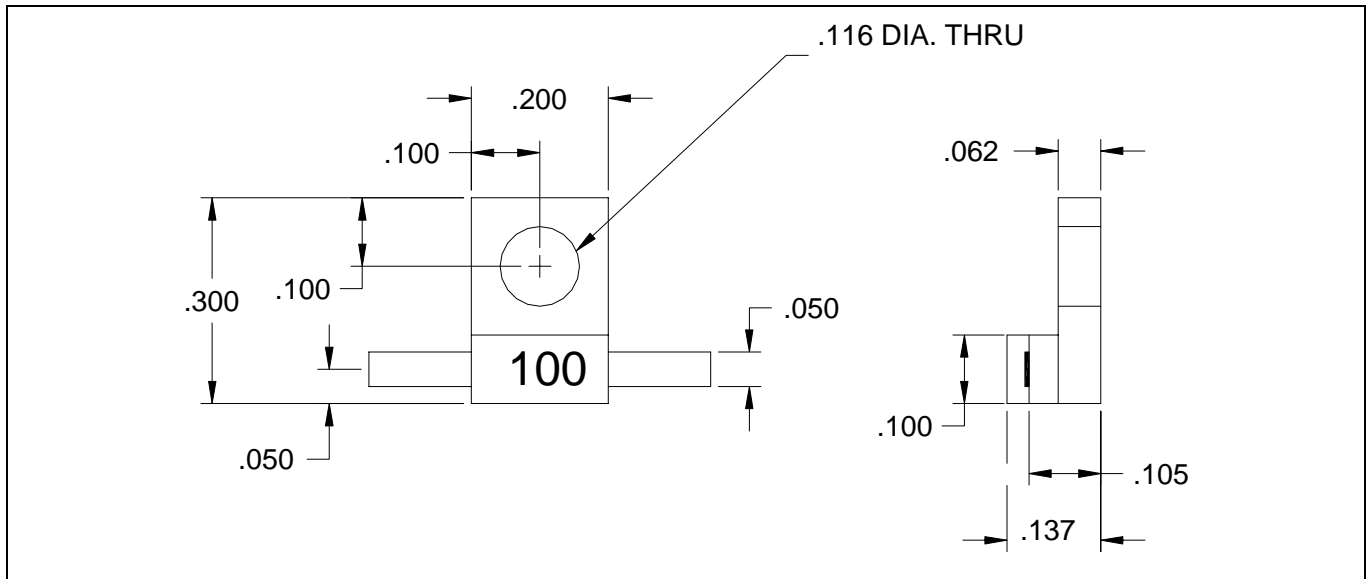
Electrical Specifications

Resistance Value:	10 ohms, ± 5%
Power:	10 Watts
Frequency Range:	DC – 6.0 GHz
Capacitance	0.75pF

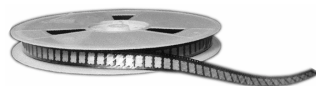
Notes: Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions in inches. Lead length 0.150" minimum. Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance.

Specifications subject to change without notice.

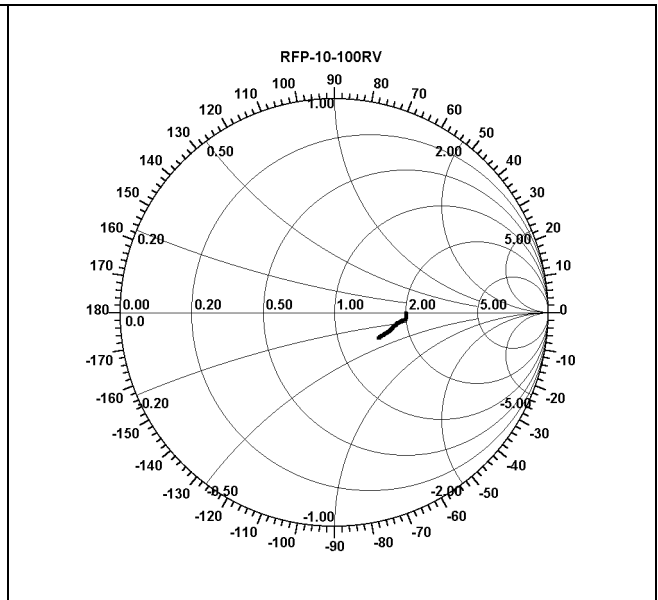
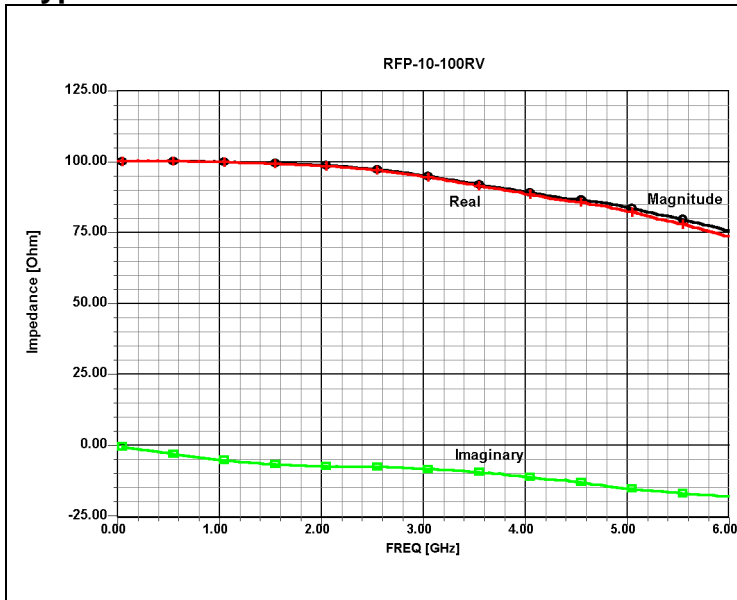
Outline Drawing



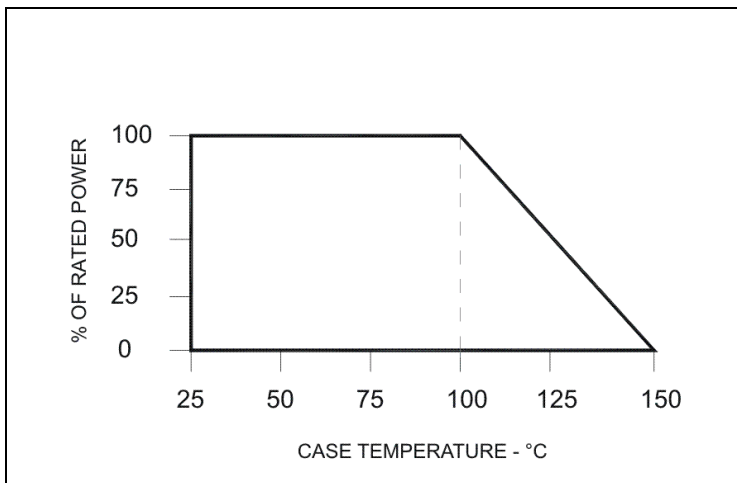
VER. 5/17/04



Typical Performance:



Power De-rating



Suggested Mounting Procedure

SUGGESTED STRESS RELIEF METHODS

NOT RECOMMENDED APPLICATION

SCALE: _____

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 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 towards the lid).
5. Solder leads in place using an SN63 type solder with a controlled temperature iron (210°C).

