Model RFP-10-100RV

Rev. B

RF Power

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:

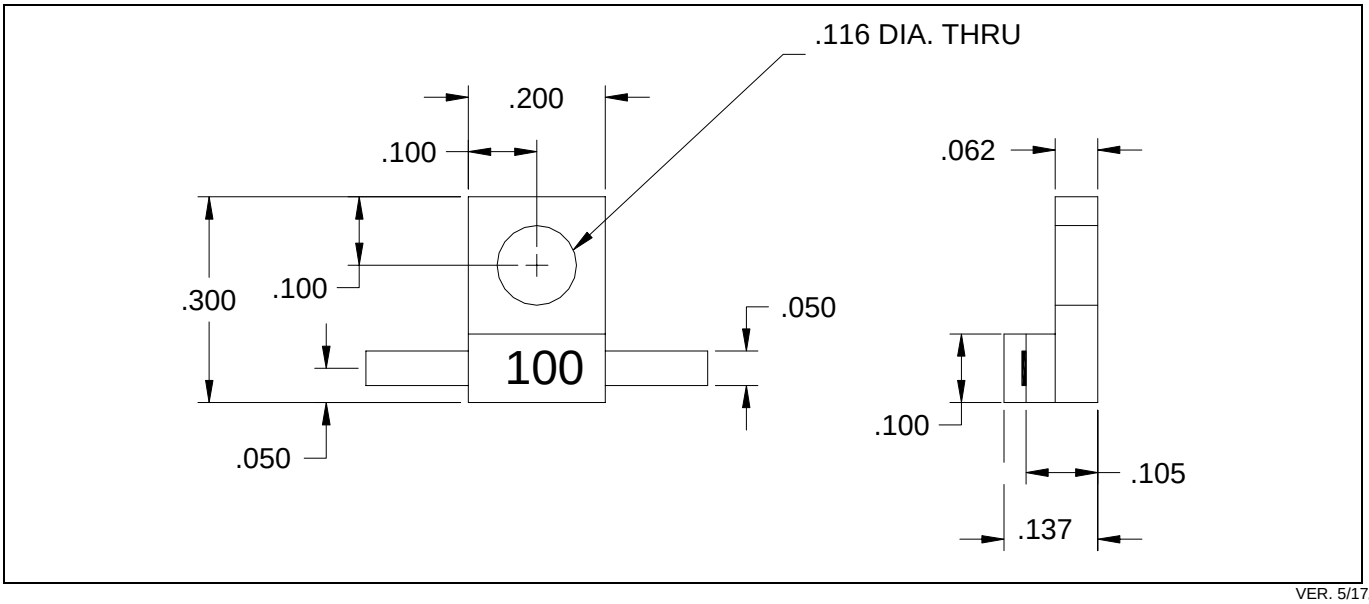
- **DC – 6.0 GHz**
- **10 Watts**
- **BeO Ceramic**
- **Welded Silver Leads**
- **Non-Nichrome Resistive Element**
- **100% Tested**

Electrical Specifications

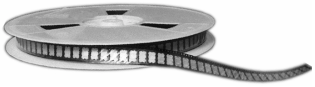
Resistance Value:	10 ohms, ± 5%
Power:	10 Watts
Frequency Range:	DC – 6.0 GHz
Capacitance	0.75pF

Notes: Tolerance is ±0.010", unless otherwise specified. Designed to meet of 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



Available on Tape and Reel For Pick and Place Manufacturing.

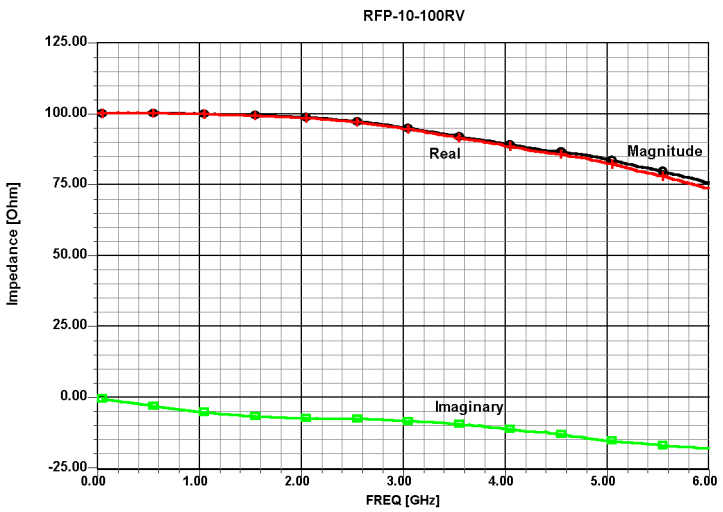
USA/Canada: (315) 432-8909
Toll Free: (800) 544-2414
Europe: +44 2392-232392

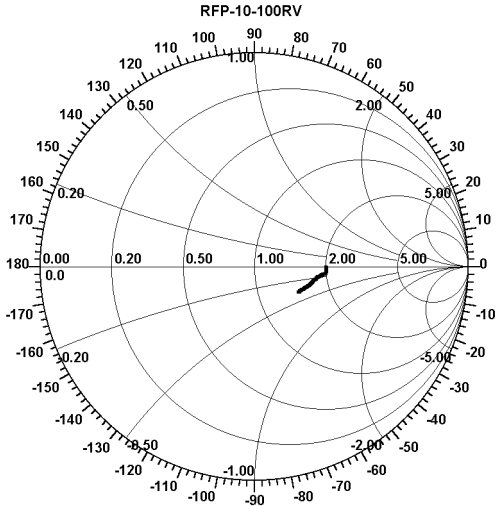
Model RFP-10-100RV

Rev. B

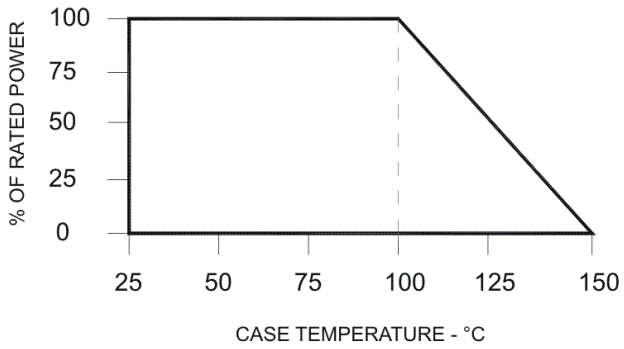
RF Power

Typical Performance:

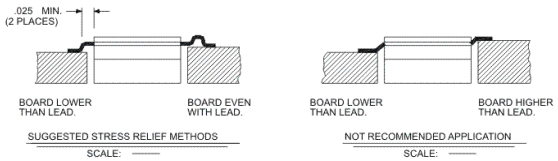




Power De-rating



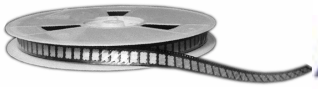
Suggested Mounting Procedure



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).

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

Available on Tape and Reel For Pick and Place Manufacturing.



Anaren
What'll we think of ne