



## Flanged Resistors 10 Watts, 100Ω



### General Specifications

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

### Features:

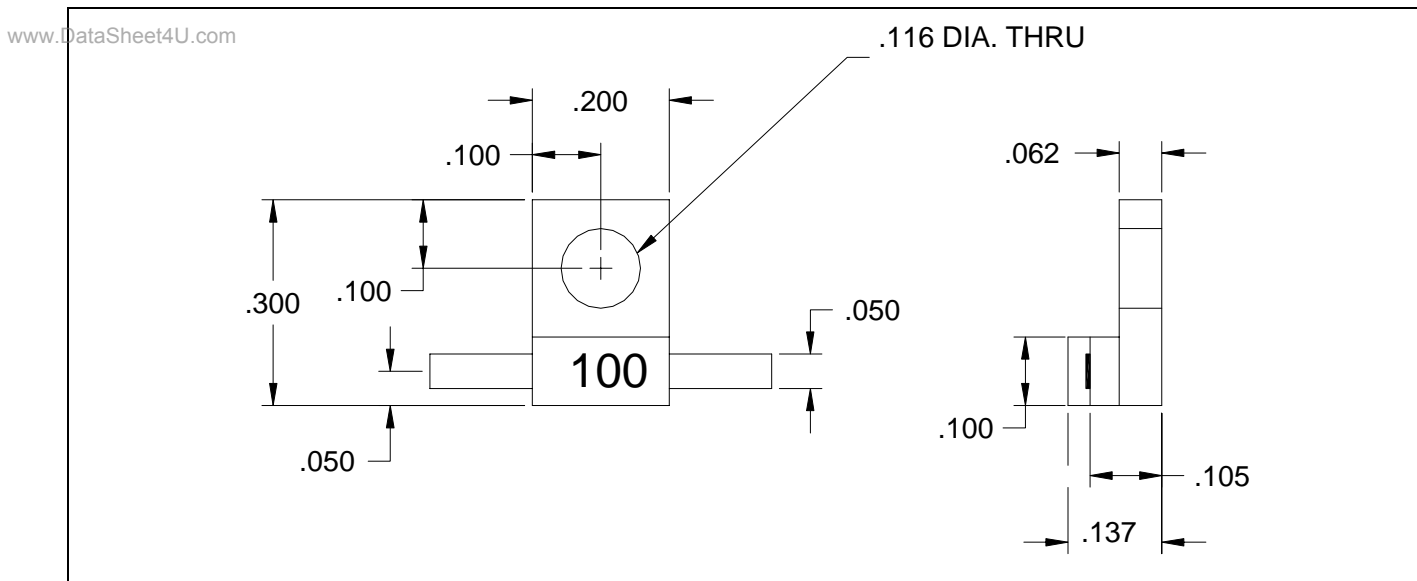
- DC – 6.0 GHz
- 10 Watts
- BeO Ceramic
- Welded Silver Leads
- Non-Nichrome Resistive Element
- 100% Tested

### Electrical Specifications

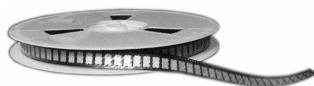
<b>Resistance Value:</b>	10 ohms, ± 5%
<b>Power:</b>	10 Watts
<b>Frequency Range:</b>	DC – 6.0 GHz
<b>Capacitance</b>	0.75pF

**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. Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance.  
**Specifications subject to change without notice.**

### Outline Drawing

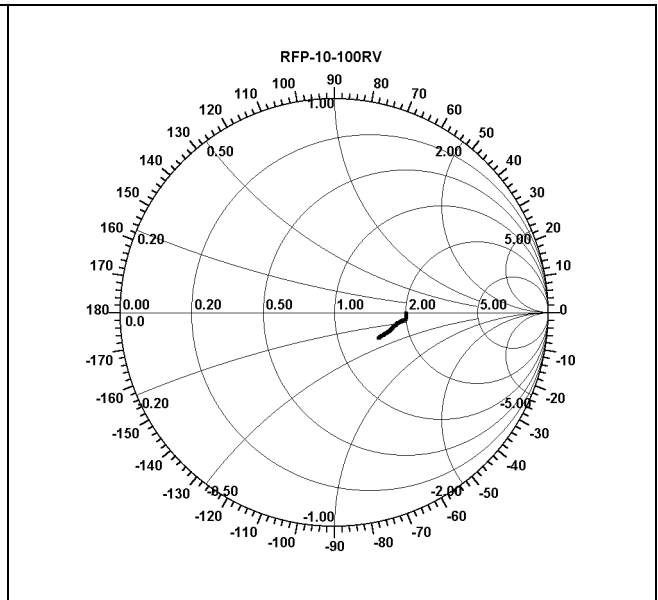
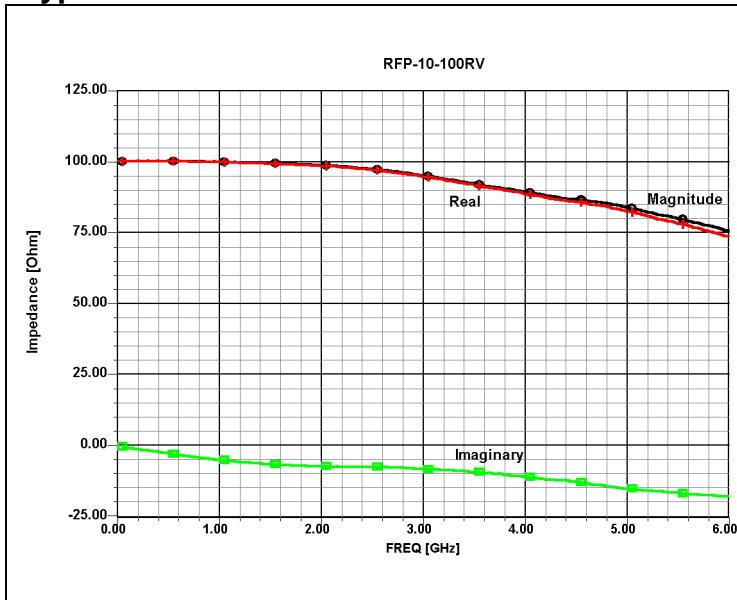


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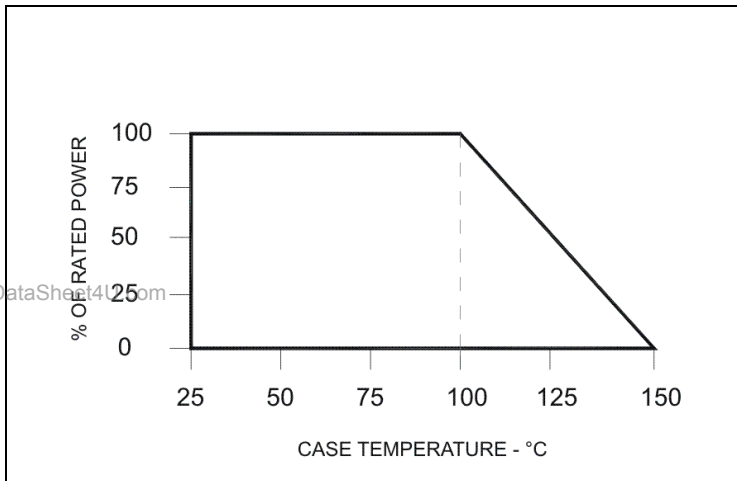




## Typical Performance:



## Power De-rating



## Suggested Mounting Procedure

**SUGGESTED STRESS RELIEF METHODS**

**NOT RECOMMENDED APPLICATION**

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).