

**RoHS
Compliant**

**Flanged Resistors
250 Watts, 100Ω**



General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide ceramic
Cover	Alumina ceramic
Mounting flange	Copper, nickel plated per QQ-N-290
Leads	99% pure silver (.005" thick)

Features:

- DC – 2.0 GHz
- 250 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Welded Silver Leads
- Low VSWR
- 100% Tested
- RoHS Compliant

Electrical Specifications

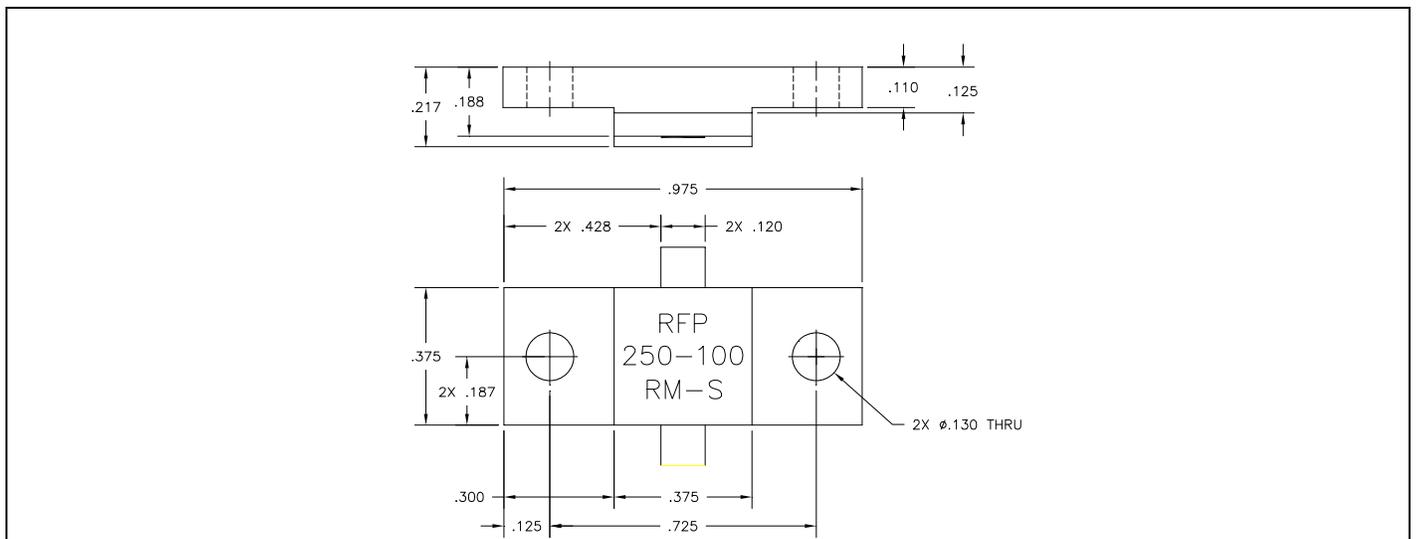
Resistance Range:	100 ohms, $\pm 5\%$
Frequency Range;	DC – 2.0 GHz
Power:	250 Watts
Capacitance	3.3 pF

Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. Operating temperature is -55°C to 150°C (see chart for derating temperatures).

All dimensions in inches.

Specifications subject to change with out notice.

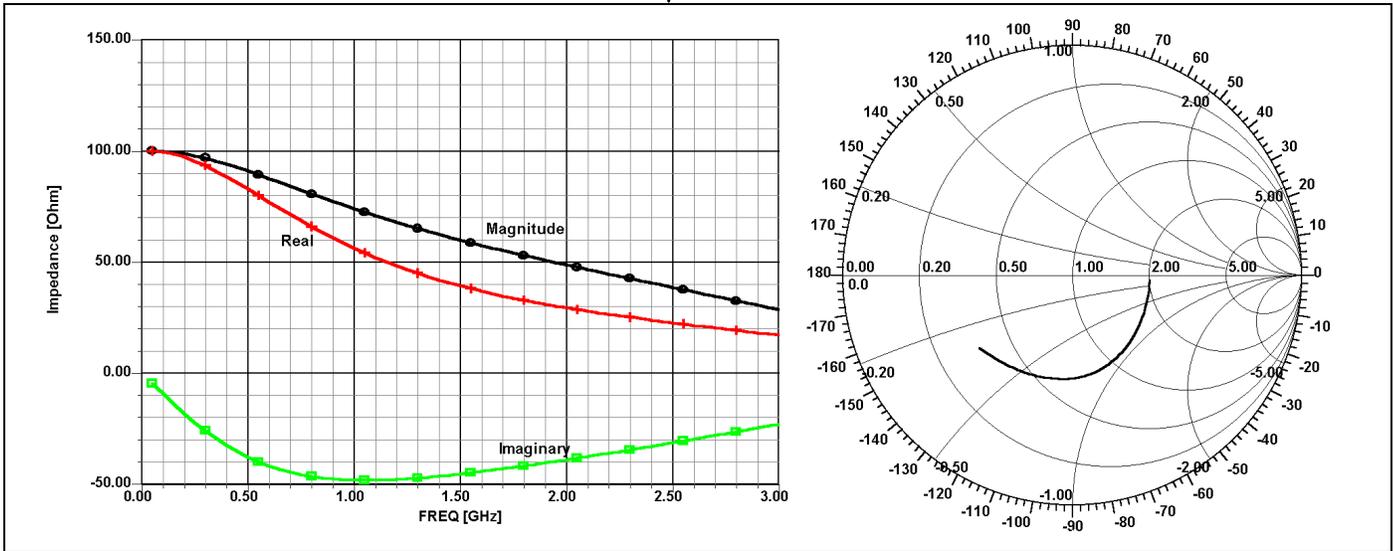
Outline Drawing



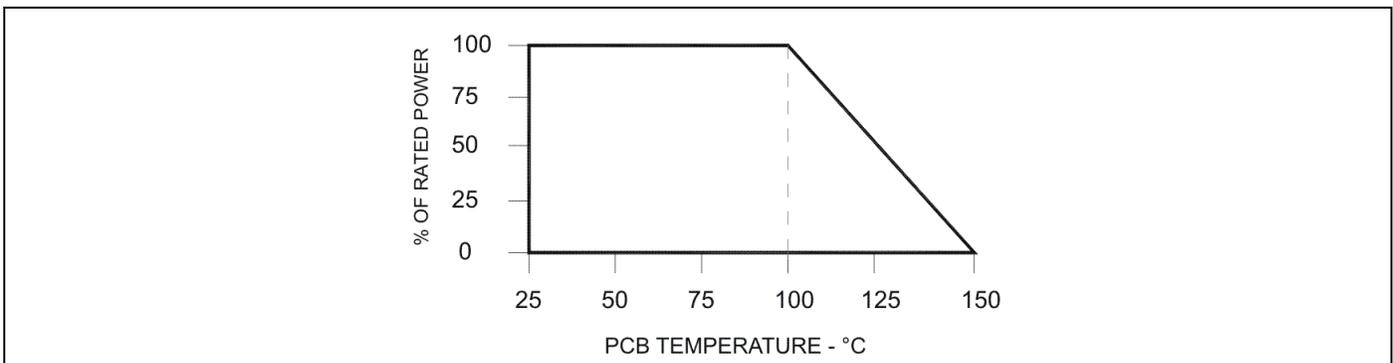
250-100RM-S (097) Rev B



Typical Performance:



Power De-rating:



Mounting Footprint and Procedure:

<p>The diagrams show cross-sections of the device on a PCB. 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 .025 MIN. (2 PLACES) is indicated for the lead thickness. Scale: NONE.</p>	<p>SUGGESTED MOUNTING PROCEDURES:</p> <ol style="list-style-type: none"> 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 & SECURE USING SOCKET HEAD SCREWS, FLAT & SPLIT WASHER. 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 APPROPRIATE SOLDER WITH A CONTROLLED TEMPERATURE IRON. <p>** FOR MORE DETAILS CONTACT FACTORY **</p>
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