

**RoHS  
Compliant**

**Flanged Resistors  
250 Watts, 100Ω**



#### 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>Leads</b>	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

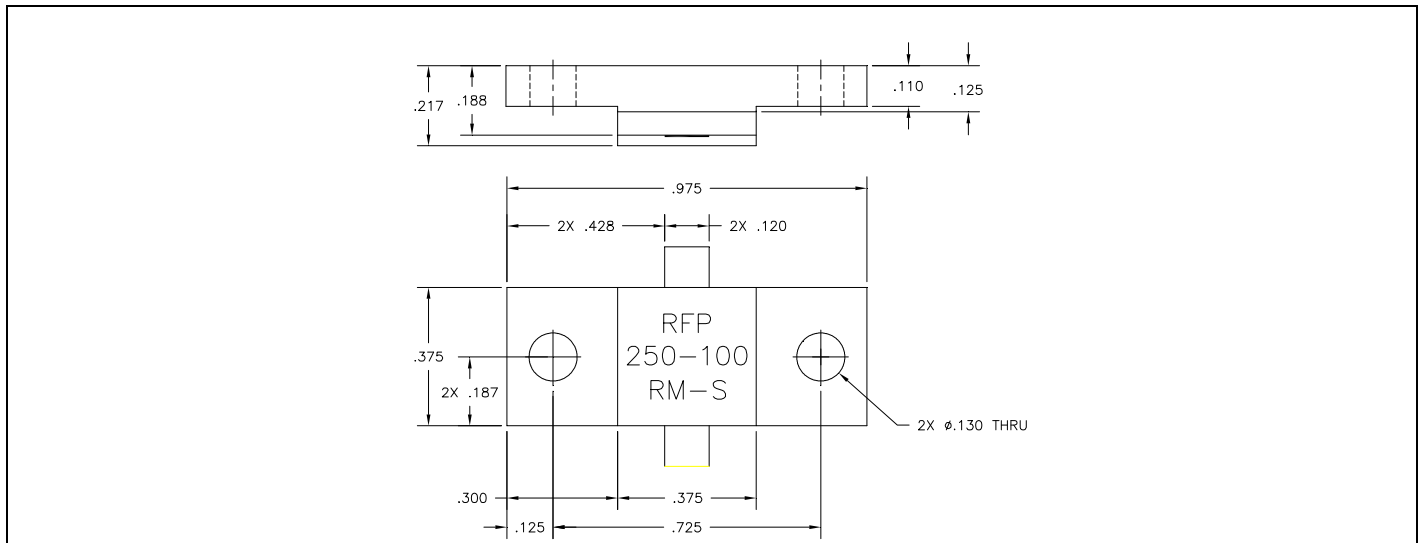
<b>Resistance Range:</b>	100 ohms, $\pm 5\%$
<b>Frequency Range;</b>	DC – 2.0 GHz
<b>Power:</b>	250 Watts
<b>Capacitance</b>	3.3 pF

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

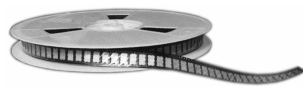
All dimensions in inches.

Specifications subject to change with out notice.

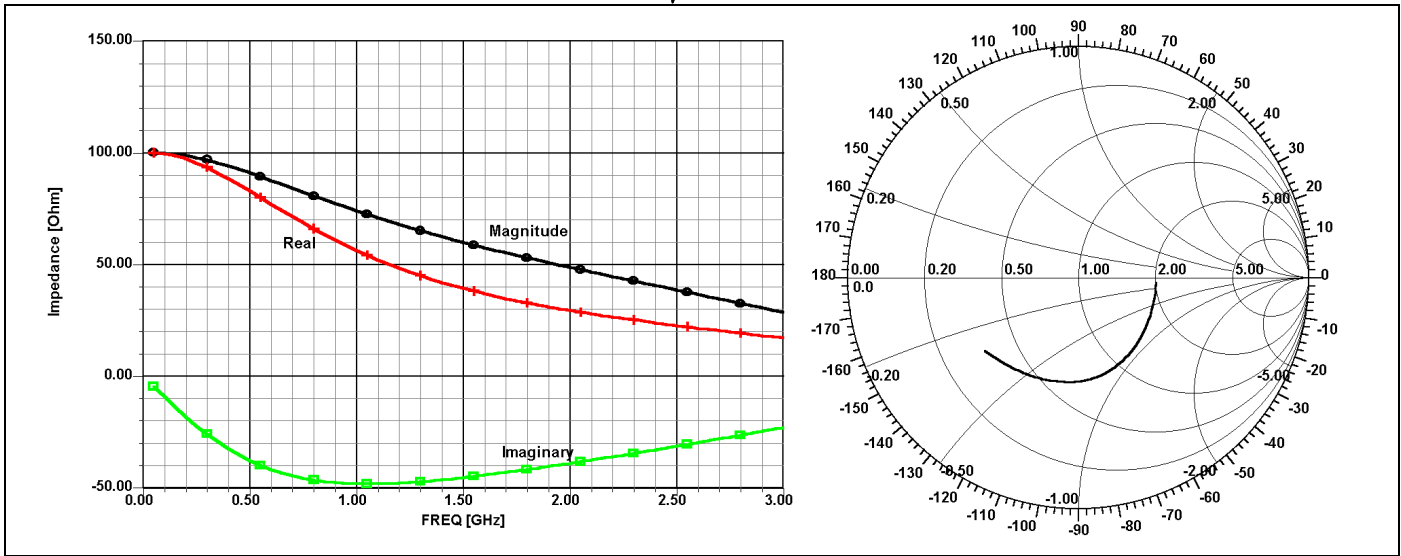
#### Outline Drawing



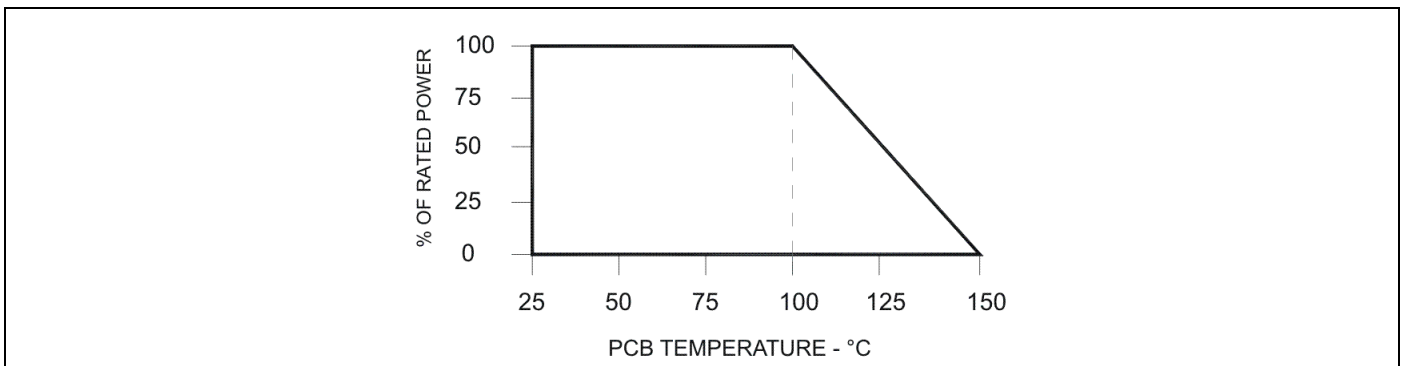
250-100RM-S (097) Rev B



Typical Performance:



Power De-rating:



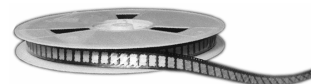
Mounting Footprint and Procedure:

<p><b>SUGGESTED STRESS RELIEF METHODS</b> SCALE: NONE</p> <p><b>NOT RECOMMENDED APPLICATION</b> SCALE: NONE</p>	<p><b>SUGGESTED MOUNTING PROCEDURES:</b></p> <ol style="list-style-type: none"> <li>1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.</li> <li>2. DRILL &amp; TAP THE HEATSINK FOR THE APPROPRIATE THREAD SIZE TO BE USED.</li> <li>3. COAT HEATSINK WITH A MINIMUM AMOUNT OF HIGH QUALITY SILICONE GREASE (.001" MAX. THICKNESS).</li> <li>4. POSITION DEVICE ON MOUNTING SURFACE &amp; SECURE USING SOCKET HEAD SCREWS, FLAT &amp; 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).</li> <li>5. SOLDER LEADS IN PLACE USING APPROPRIATE SOLDER WITH A CONTROLLED TEMPERATURE IRON.</li> </ol> <p>** FOR MORE DETAILS CONTACT FACTORY **</p>
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250-100RM-S (097) Rev B

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Available on Tape and Reel For Pick and Place Manufacturing.



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