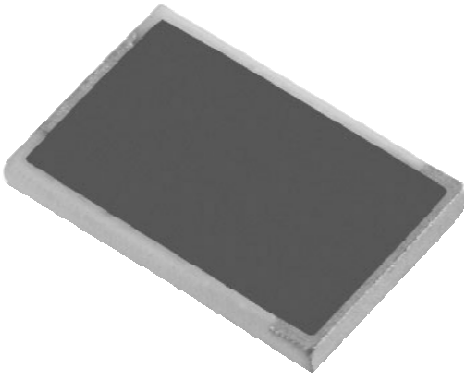


## Surface Mount Termination 25 Watts, 50Ω



### General Specifications

<b>Resistive Element</b>	Thick film
<b>Substrate</b>	Beryllium oxide ceramic
<b>Terminals</b>	Thick film silver

### Electrical Specifications

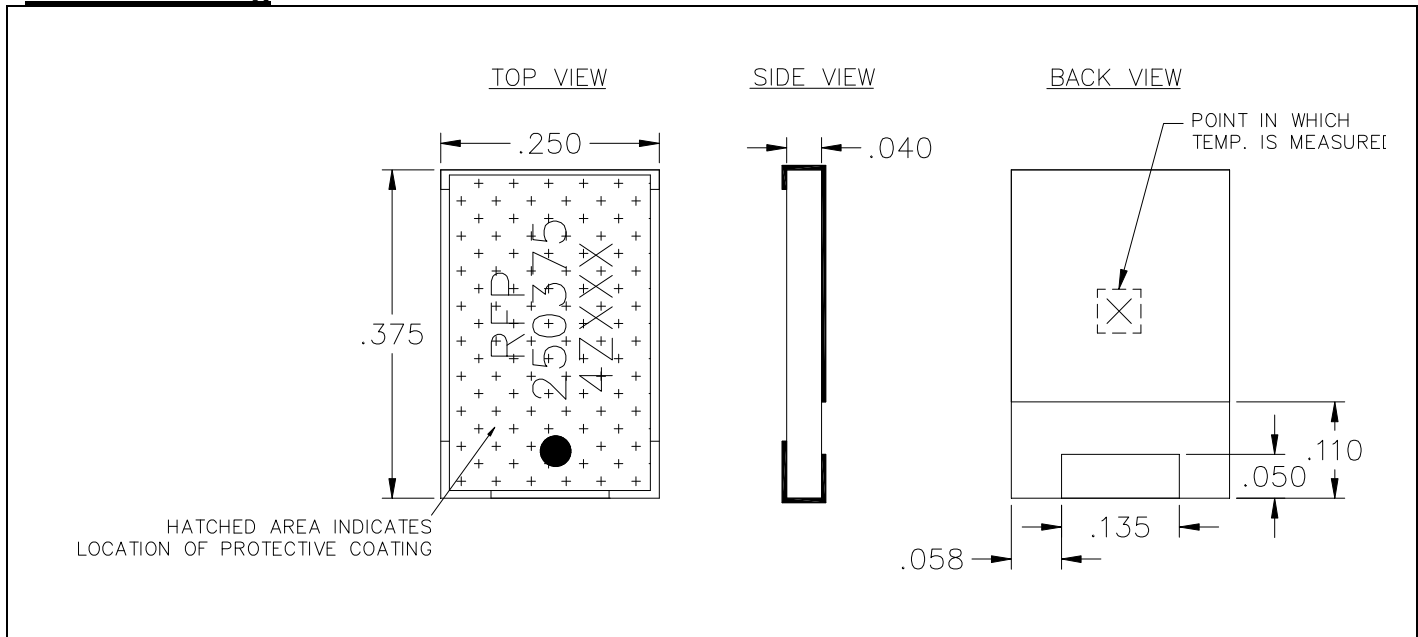
<b>Resistance Range:</b>	50 ohms, $\pm 2\%$
<b>Frequency Range;</b>	DC – 2.0 GHz
<b>Power:</b>	25 Watts
<b>VSWR</b>	1.25:1 DC – 2.0 GHz

**Note:** 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  $125^{\circ}\text{C}$  (see chart for derating temperatures). All dimensions in inches. Specifications subject to change with out notice.

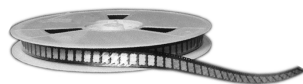
### Features:

- DC – 2.0 GHz
- 25 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

### Outline Drawing

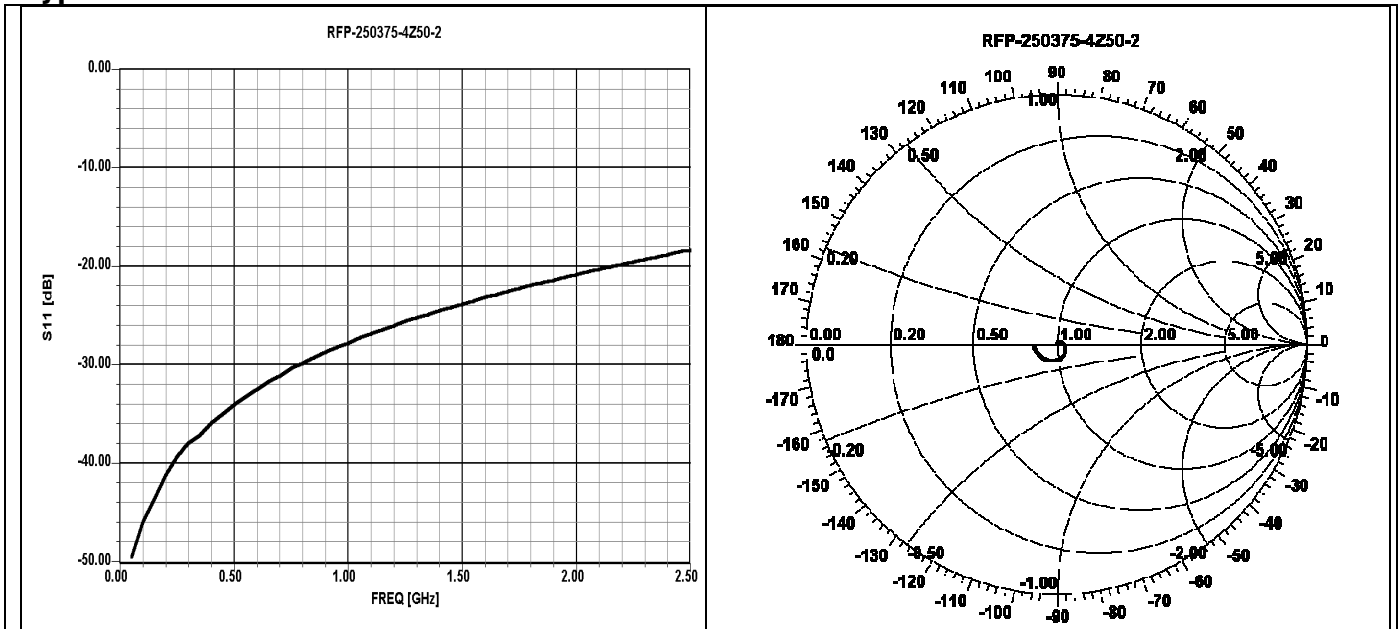


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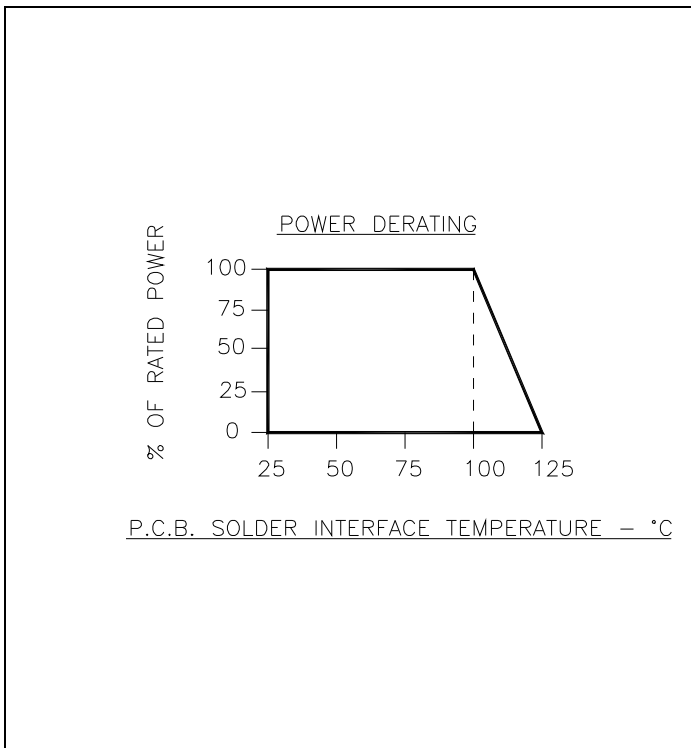




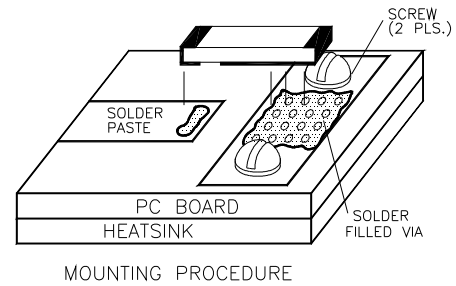
### Typical Performance:



### Power De-rating:



### Mounting Footprint and Procedure:

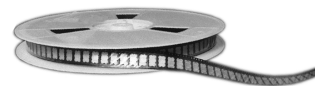


1. Solder part in place using 60/40 type solder with Temperature controlled iron (700°F).
2. Drill thermal vias through PCB and fill with solder, such as 60/40 type.
3. To ensure good thermal connectivity to heat sink, drill and tap heatsink and mount PCB board to heat sink using screws.

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

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