

### Chip Termination 5 Watts, 50Ω



#### Features:

- 5 Watts
- Lowest Cost
- BeO Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

#### General Specifications

<b>Resistive Element</b>	Thick film
<b>Substrate</b>	BeO Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel
<b>Operating Temperature</b>	-55 to +125°C (see chart)

Tolerance is  $\pm 0.010$ ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions in inches.

#### Electrical Specifications

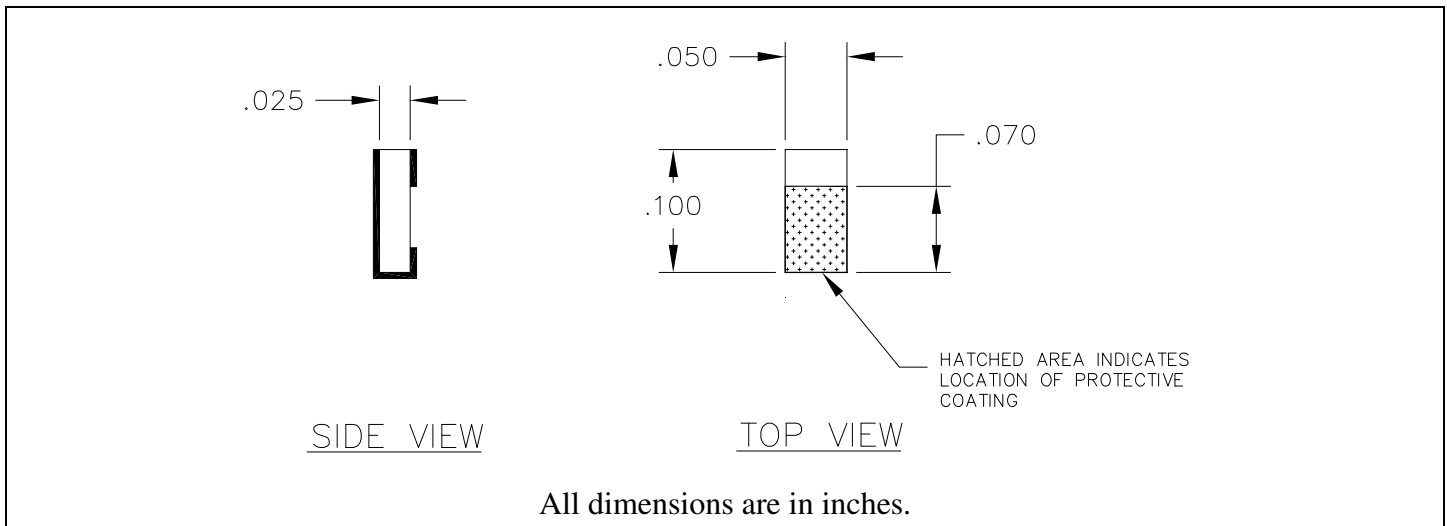
<b>Resistance Value:</b>	50 ohms, $\pm 2\%$
<b>Power:</b>	5 Watts
<b>Frequency Range:</b>	DC – 4.0 GHz
<b>V.S.W.R.:</b>	1.25:1

Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance.

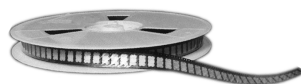
Tolerance is  $\pm 0.010$  inches.

Specifications subject to change without notice

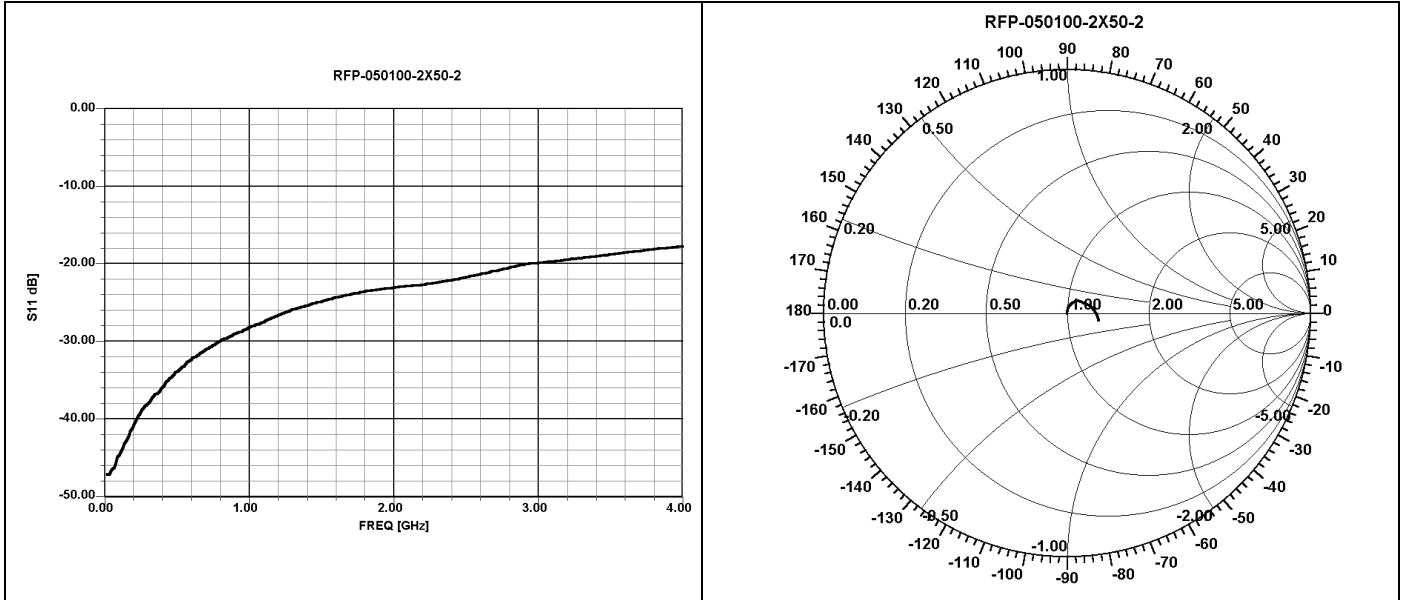
#### Outline Drawing



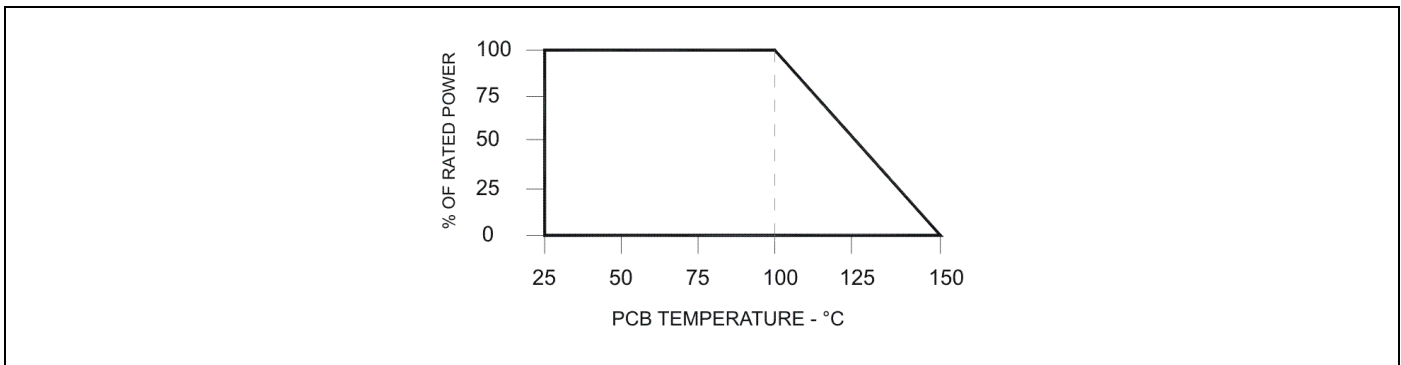
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## Typical Performance:



## Power De-rating:



## Mounting Footprint and Procedure:

**SUGGESTED STRESS-RELIEF METHODS**  
SCALE: NONE

**NOT RECOMMENDED APPLICATION**  
SCALE: NONE

**SUGGESTED MOUNTING PROCEDURES:**

1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.
2. POSITION DEVICE ON MOUNTING SURFACE AND SOLDER IN PLACE USING SN96 SOLDER.
3. SOLDER LEADS IN PLACE USING AN SN96 TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON (260°C).

