

**RoHS  
Compliant**

**Flangeless Termination  
150 Watts, 50Ω**

#### 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>Lead(s)</b>	99.9% pure silver (.005" thick)
<b>Operating Temperature</b>	-55 to +150°C (see de rating 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

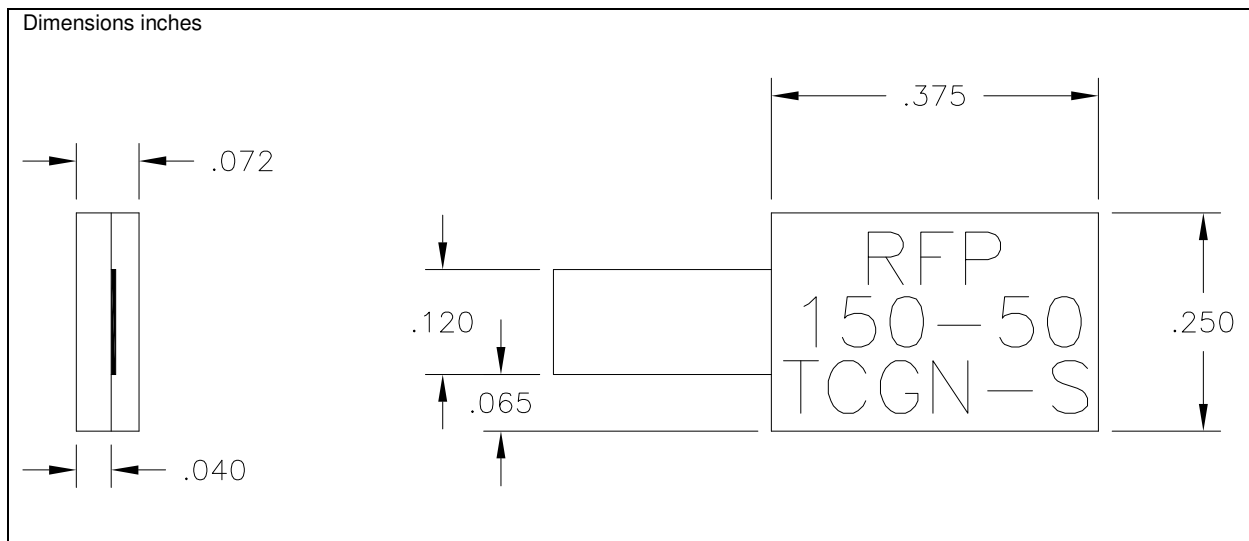
<b>Resistance Value:</b>	50 Ohms, $\pm 5\%$
<b>Power:</b>	150 Watts
<b>Frequency Range:</b>	DC – 3.0 GHz
<b>VSWR</b>	1.40 : 1

Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

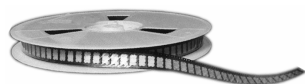
#### Features:

- RoHS Compliant
- 150 Watts
- DC – 3.0 GHz
- Beryllium oxide Ceramic
- Welded Silver Leads
- Non-Nichrome Resistive Element
- Low Return Loss
- 100% Tested

#### Outline Drawing

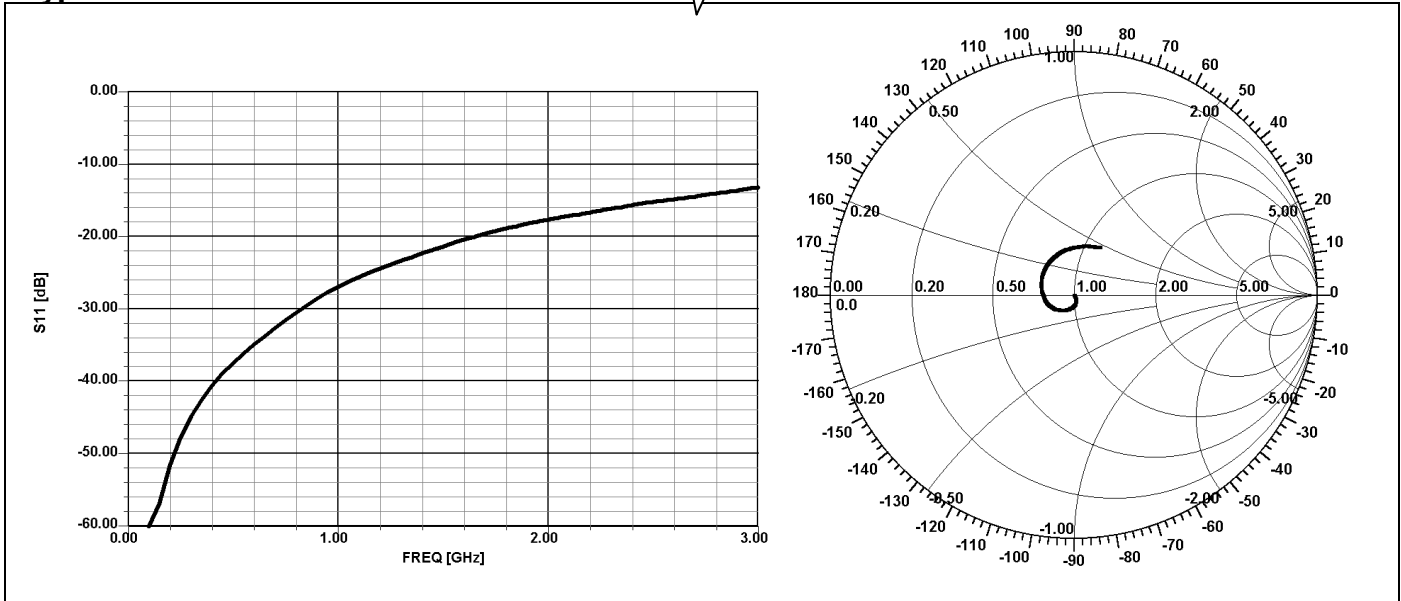


150-50TCGN-S (097) Rev B

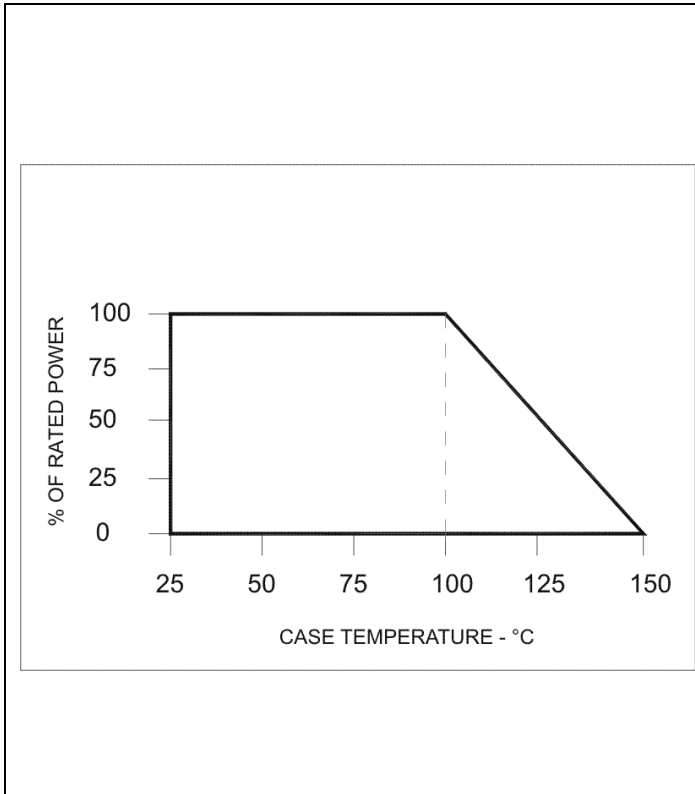




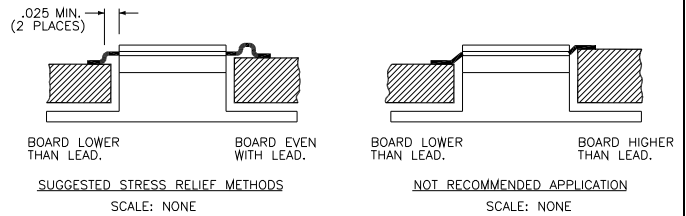
### Typical Performance:



### Derating:



### Mounting Footprint and Procedure:



#### 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 AN APPROPRIATE TYPE SOLDER.
3. SOLDER LEADS IN PLACE USING AN APPROPRIATE TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON. KEEP LEAD LENGTH AS SHORT AS POSSIBLE USING A SUGGESTED STRESS RELIEF METHOD.

150-50TCGN-S (097) Rev B

