

Anaren

RF Power

Model RFP-150-50TCGN-S

**RoHS
Compliant**

Flangeless Termination
150 Watts, 50Ω

General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide ceramic
Cover	Alumina ceramic
Mounting Flange	Copper, nickel plated per QQ-N-290
Lead(s)	99.9% pure silver (.005" thick)
Operating Temperature	-55 to +150°C (see de rating chart)

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

Electrical Specifications

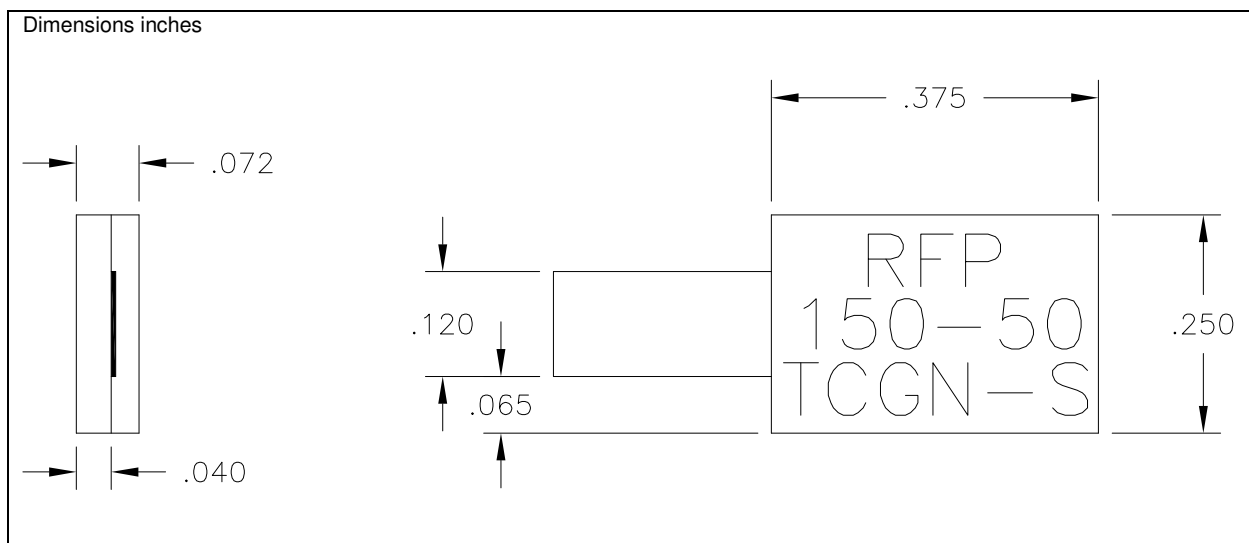
Resistance Value:	50 Ohms, $\pm 5\%$
Power:	150 Watts
Frequency Range:	DC – 3.0 GHz
VSWR	1.40 : 1

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



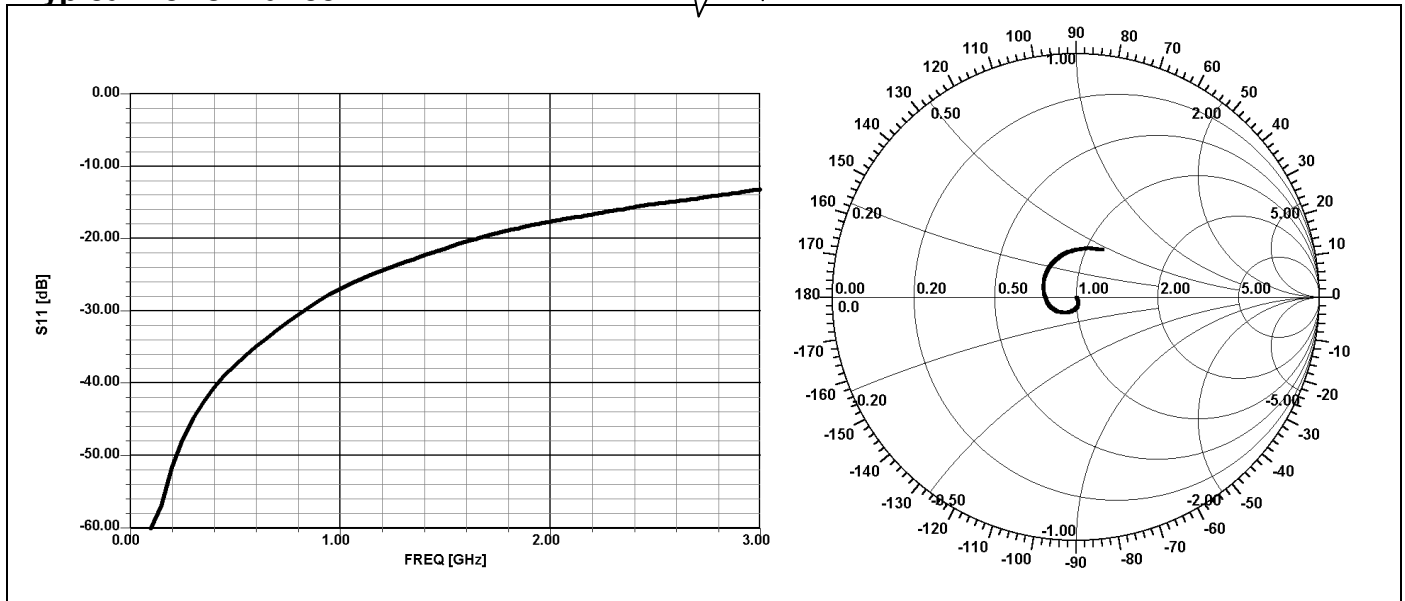
150-50TCGN-S (097) Rev B



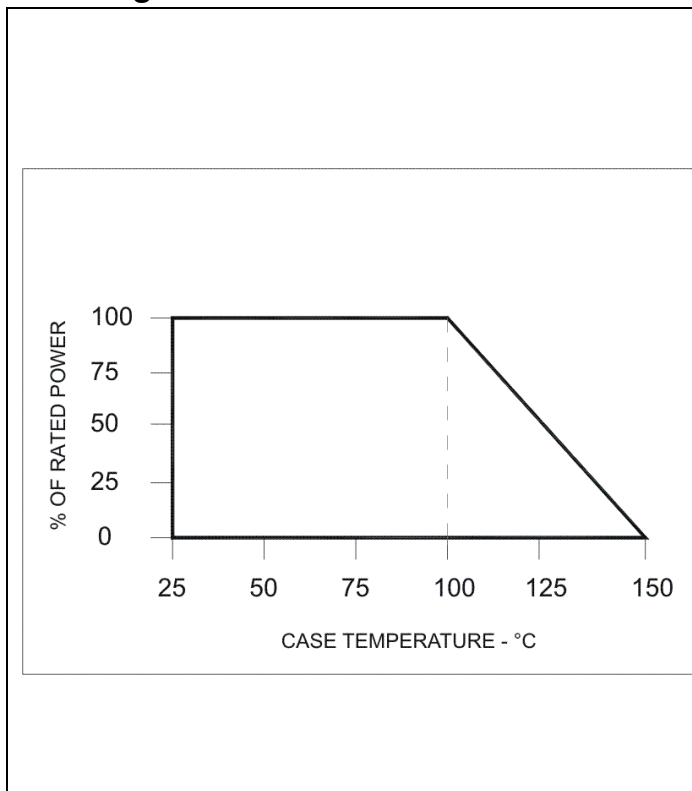
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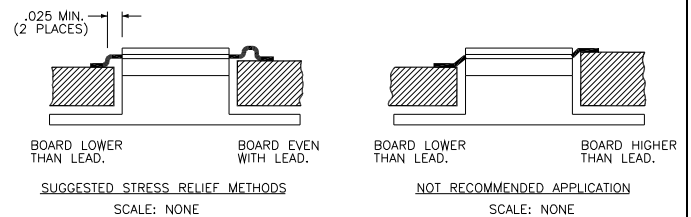
Typical Performance:



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

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Available on Tape and
Reel For Pick and Place
Manufacturing.



Anaren
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