

Surface Mount Termination 25 Watts, 50Ω



General Specifications

Resistive Element	Thick film
Substrate	Aluminum nitride ceramic
Terminals	Tin/Lead (90/10) over Nickel

Electrical Specifications

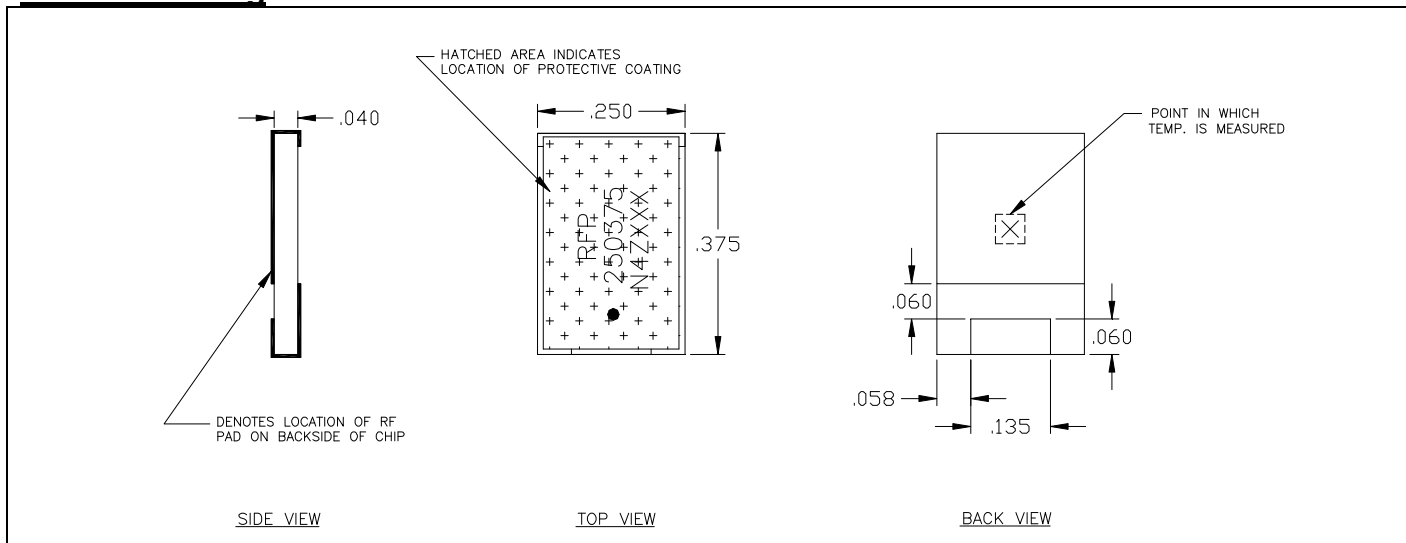
Resistance Range:	50 ohms, $\pm 2\%$
Frequency Range;	DC – 3.0 GHz
Power:	25 Watts
VSWR	1.25:1 DC – 3.0 GHz

Note: Tolerance is $\pm 0.010"$, unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. Operating temperature is -55°C to 250°C (see chart for derating temperatures). All dimensions in inches. Specifications subject to change with out notice.

Features:

- DC – 3.0 GHz
- 25 Watts
- Aluminum Nitride (AlN) Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

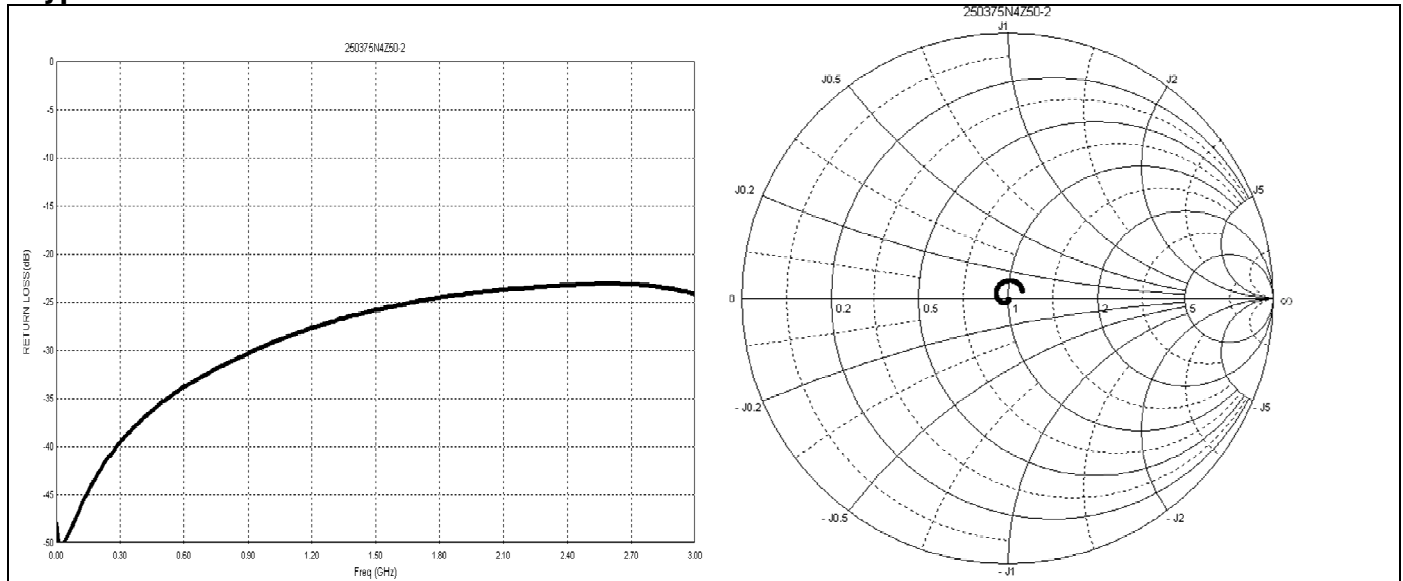
Outline Drawing



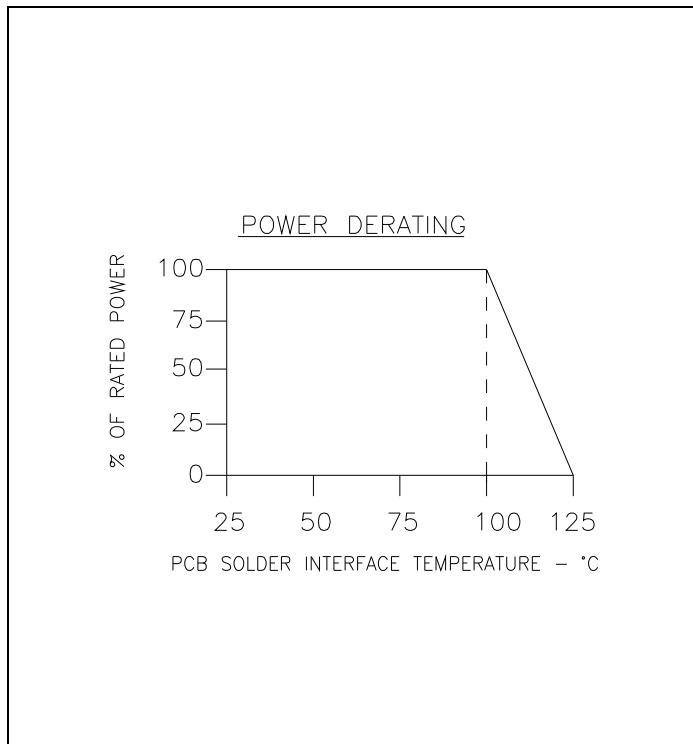
250375N4Z50-2 (097) Rev A



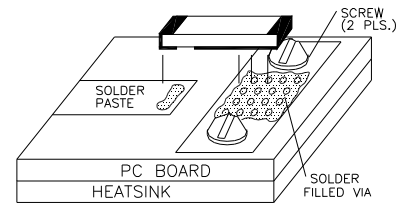
Typical Performance:



Power De-rating:



Mounting Footprint and Procedure:



MOUNTING PROCEDURE

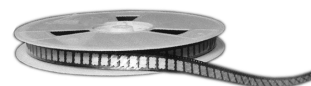
SUGGESTED MOUNTING PROCEDURES:

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 SN96 SOLDER.
3. SOLDER LEADS IN PLACE USING AN SN96 TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON (260°C).

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