

**Flangeless Termination
125 Watts**



General Specifications:

Resistive Element	Thick film
Substrate	AlN Ceramic
Terminal Finish	Matte Tin over Sulfamate Nickel
Operating Temperature	-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.

Features:

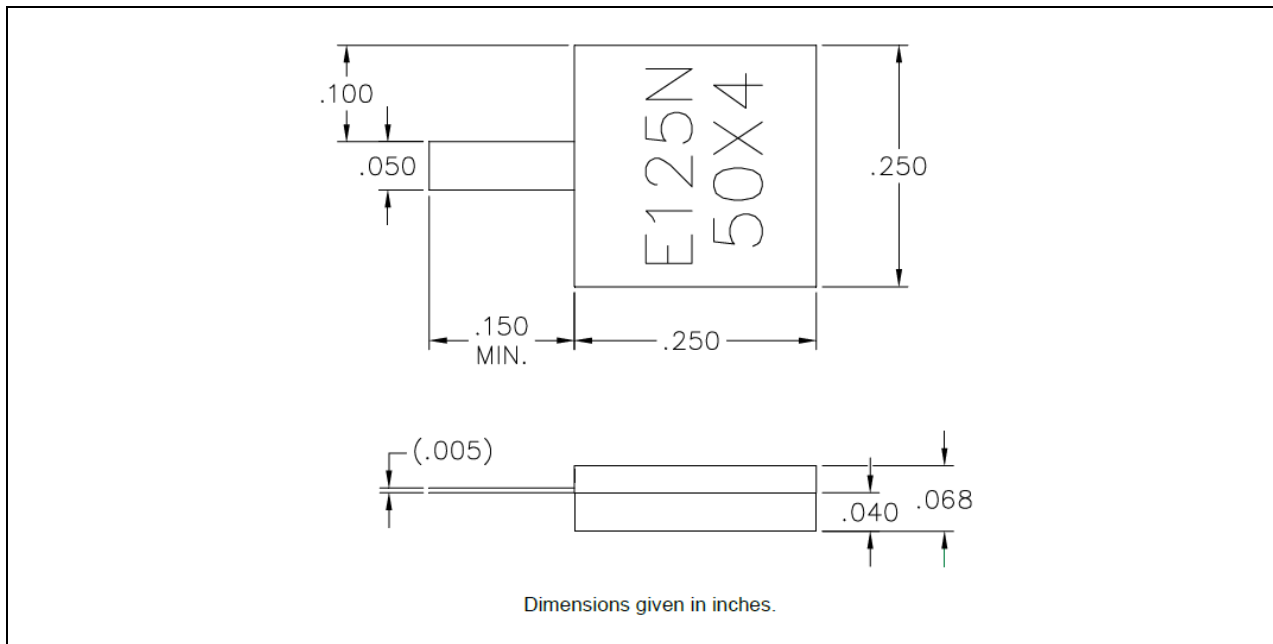
- 125 Watts
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- High Power
- 100% Tested

Electrical Specifications:

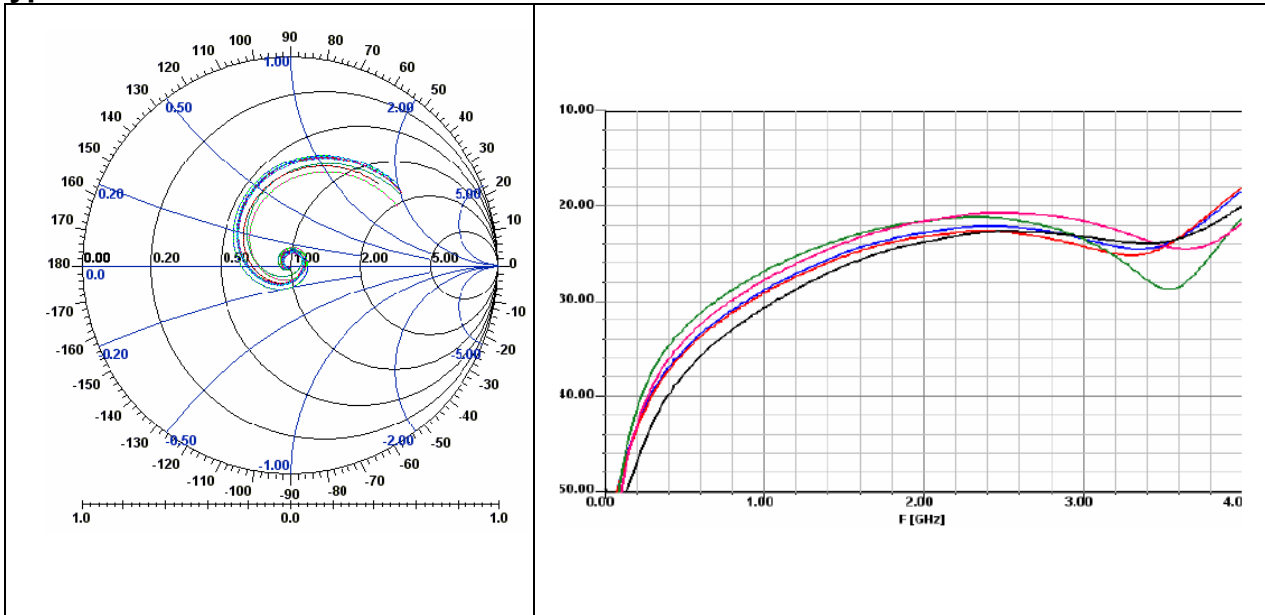
Resistive Value:	50 Ohms
Power:	125 Watts
Frequency Range:	DC – 3.0 GHz
V.S.W.R.:	1.25 : 1

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

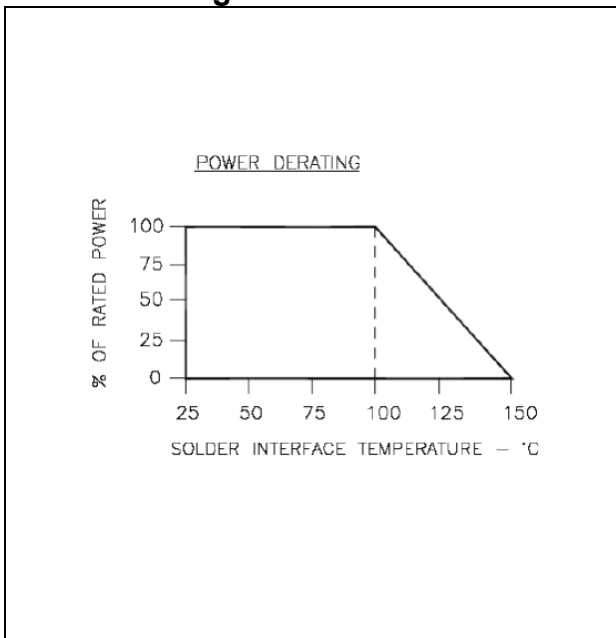
Outline Drawing:



Typical Performance:



Power de-rating:



Mounting Footprint and Procedure

The diagrams illustrate four mounting scenarios. The first two, labeled 'SUGGESTED STRESS RELIEF METHODS', show the device mounted on a board that is lower than the lead (left) and even with the lead (right). A dimension of .025 MIN (2 PLACES) is indicated for the gap between the device and the board. The last two, labeled 'NOT RECOMMENDED APPLICATION', show the device mounted on a board that is higher than the lead (left) and higher than the lead (right). Both diagrams include a 'SCALE: _____' label.

1. Make sure that the devices are mounted on flat surfaces (0.001" under the device) to optimize the heat transfer.
2. Drill & tap the heatsink for the appropriate thread size to be used.
3. Coat the heatsink with a minimum amount of high quality silicone grease (0.001" max. thickness).
4. Position the device on mounting surface and secure using socket head screws, flat & split washers. Torque screws to the appropriate value. Make sure that the device is flat against the heatsink. (Care should be taken to avoid upward pressure of the leads toward the lid).
5. Solder leads in place using an adequate solder with a controlled temperature iron.

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