



Model E125N50X4

Flangeless Termination 125 Watts



Resistive Element Thick film
Substrate ALN Ceramic
Cover Alumina Ceramic

Terminal Finish Matte Tin over Sulfamate Nickel

Operating Temperature -55 to +150°C (see chart)

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

Electrical Specifications

Resistance: 50 Ohms
Power: 125 Watts
Frequency Range: DC - 3.0 GHz
V.S.W.R.: 1.25 : 1

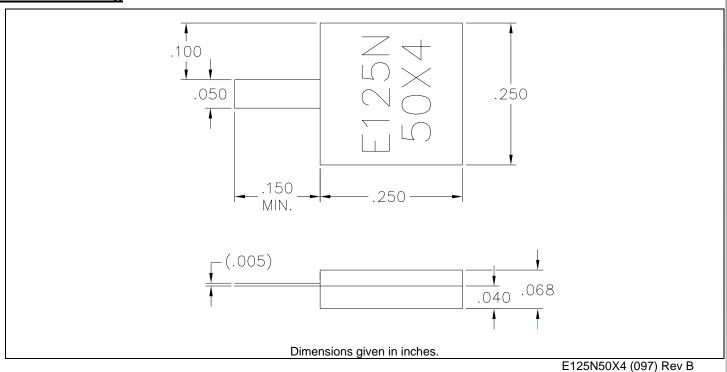
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**



Features:

- 125 Watts
- AIN Ceramic Substrate
- Non-Nichrome Resistive Element
- Low VSWR
- · High power
- 100% Tested

Outline Drawing





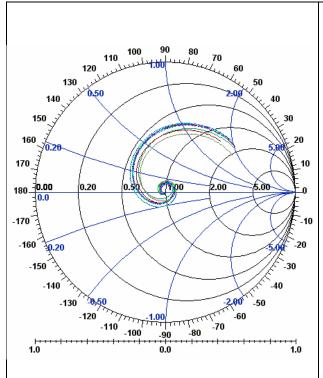


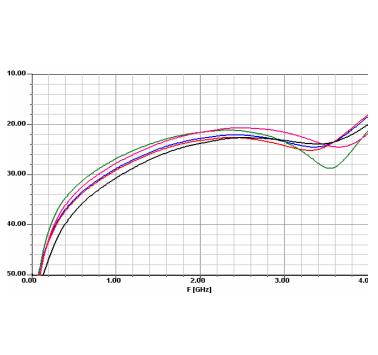
Available on Tape and Reel For Pick and Place Manufacturing.

USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 Europe: +44 2392-232392

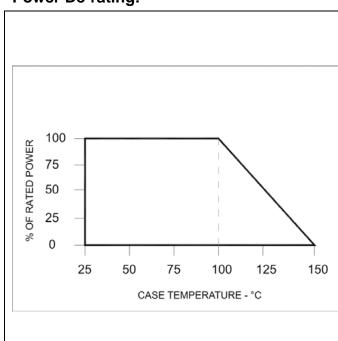


Typical Performance:

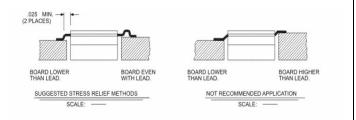




Power De-rating:



Mounting Footprint and Procedure:



- 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.
- 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.
- Solder leads in place using an adequate solder with a controlled temperature iron.

E125N50X4 (097) Rev B

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