



## Features:

- RoHS Compliant
- 125 Watts
- DC 4.0 GHz
- AIN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

# Chip Termination 125 Watts, $50\Omega$

## **Description**

The A125N50X4 is high performance Aluminum Nitride (AIN) chip termination intended as an alternative to Beryllium Oxide (BeO). The termination is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS. The high power handling makes the part ideal for terminating circulators and for use in power combiners. The termination is also RoHS compliant!

### **General Specifications**

Resistive Element Thick film
Substrate AIN Ceramic

**Terminal Finish** Matte Tin over Nickel Barrier

Operating Temperature -50 to +150°C (see de rating chart)

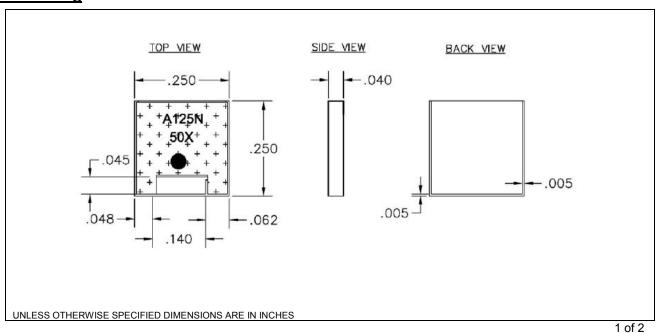
Tolerance is  $\pm 0.010$ ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions in inches.

#### **Electrical Specifications**

Resistance Value:50 Ohms,  $\pm$  2%Power:125 WattsFrequency Range:DC - 4.0 GHzReturn Loss> 26 dB to 1.3 GHz<br/>> 22 dB to 4.0 GHz

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

# **Outline Drawing**





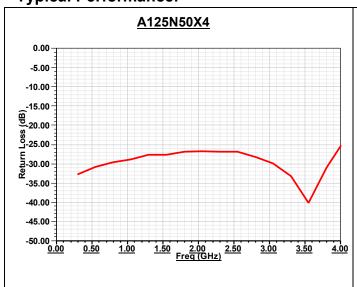


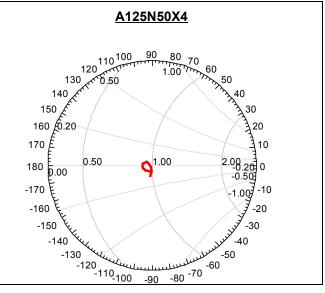
Available on Tape and Reel For Pick and Place Manufacturing.

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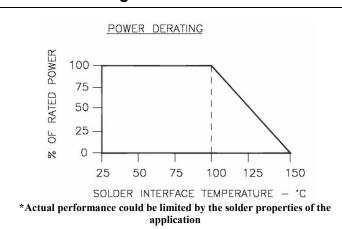


# **Typical Performance:**

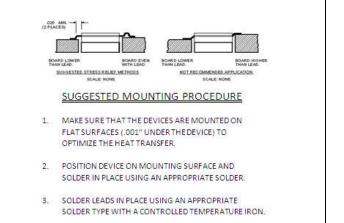




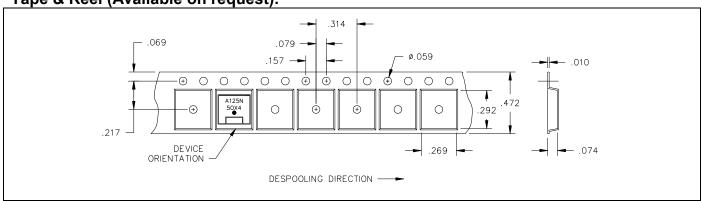
#### **Power De-rating:**



# **Mounting Footprint and Procedure:**



## Tape & Reel (Available on request):



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