

Surface Mount Termination 100 Watts, 50Ω



Features:

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

Description

The C100N50Z4A is high performance Aluminum Nitride (AIN) surface mount termination intended as a cost competitive 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 high power 90 degree couplers and for use in microstrip circuits. The termination is also RoHS compliant!

General Specifications

Resistive Element Thick film

Substrate AIN Ceramic

Terminal Finish Matte Tin over Nickel Barrier

Operating Temperature -55 to +200°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.**

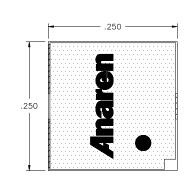
Electrical Specifications

Resistance Value:50 Ohms, \pm 2%Power:100 WattsFrequency Range:DC - 4.0 GHzPoture Lagger>24 dB DC - 2.7 GHz

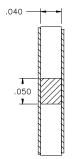
Return Loss >24 dB DC - 2.7 GHz >20 dB DC - 4.0 GHz

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

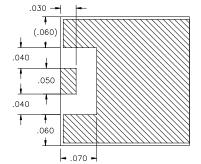
Outline Drawing



TOP VIEW



SIDE VIEW



BOTTOM VIEW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

1 of 2





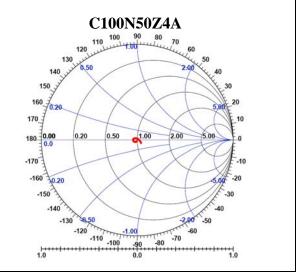
Available on Tape and Reel For Pick and Place Manufacturing.

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

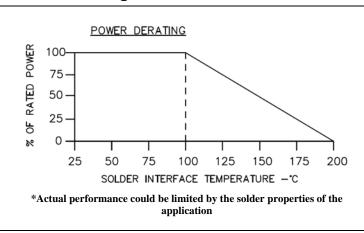


Typical Performance:

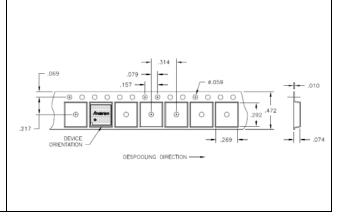




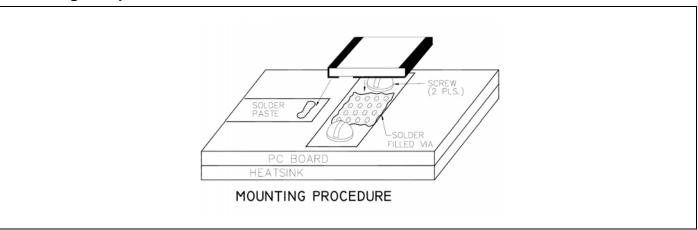
Power De-rating:



Tape & Reel:



Mounting Footprint and Procedure:



2 of 2

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

Available on Tape and Reel For Pick and Place Manufacturing.

