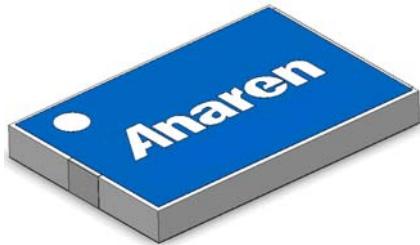


### Surface Mount Termination 200 Watts, 50Ω



#### Description

The C200N50Z4 is high performance Aluminum Nitride (AlN) 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	AlN Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-50 to +200°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

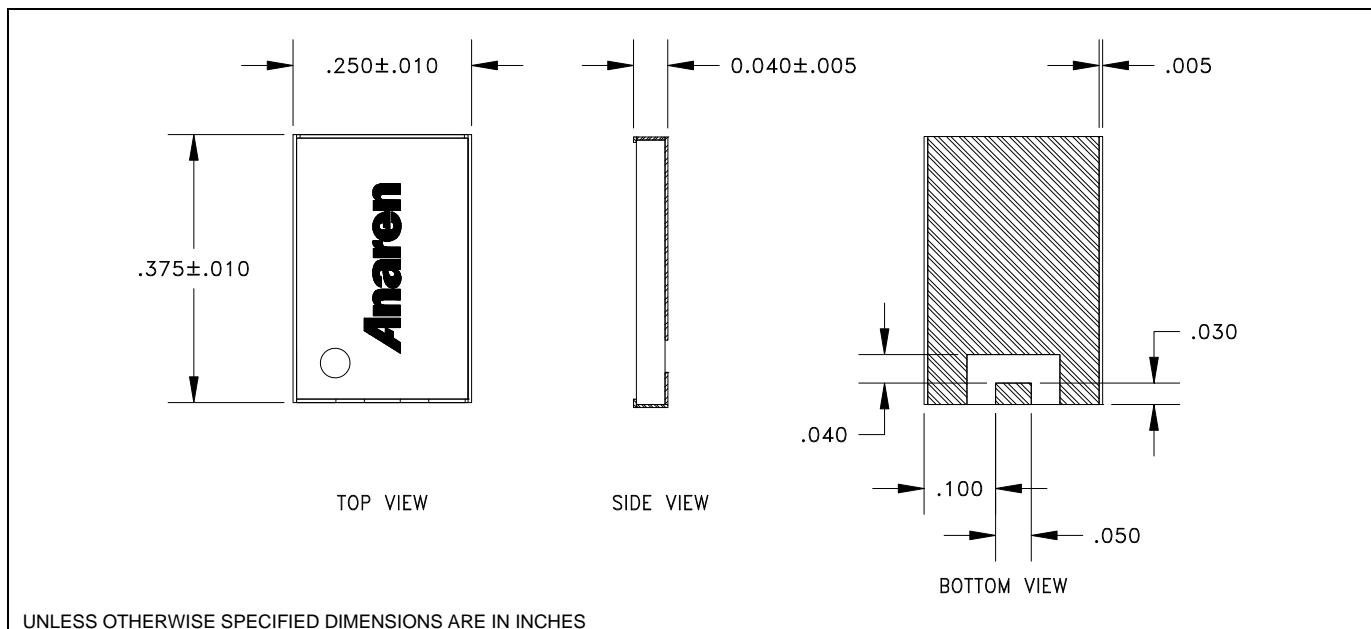
Resistance Value:	50 Ohms, $\pm 2\%$
Power:	200 Watts
Frequency Range:	DC – 2.2 GHz
Return Loss	>20 dB to 2.2 GHz

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

#### Features:

- RoHS Compliant
- 200 Watts
- DC - 2.2 GHz
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

#### Outline Drawing

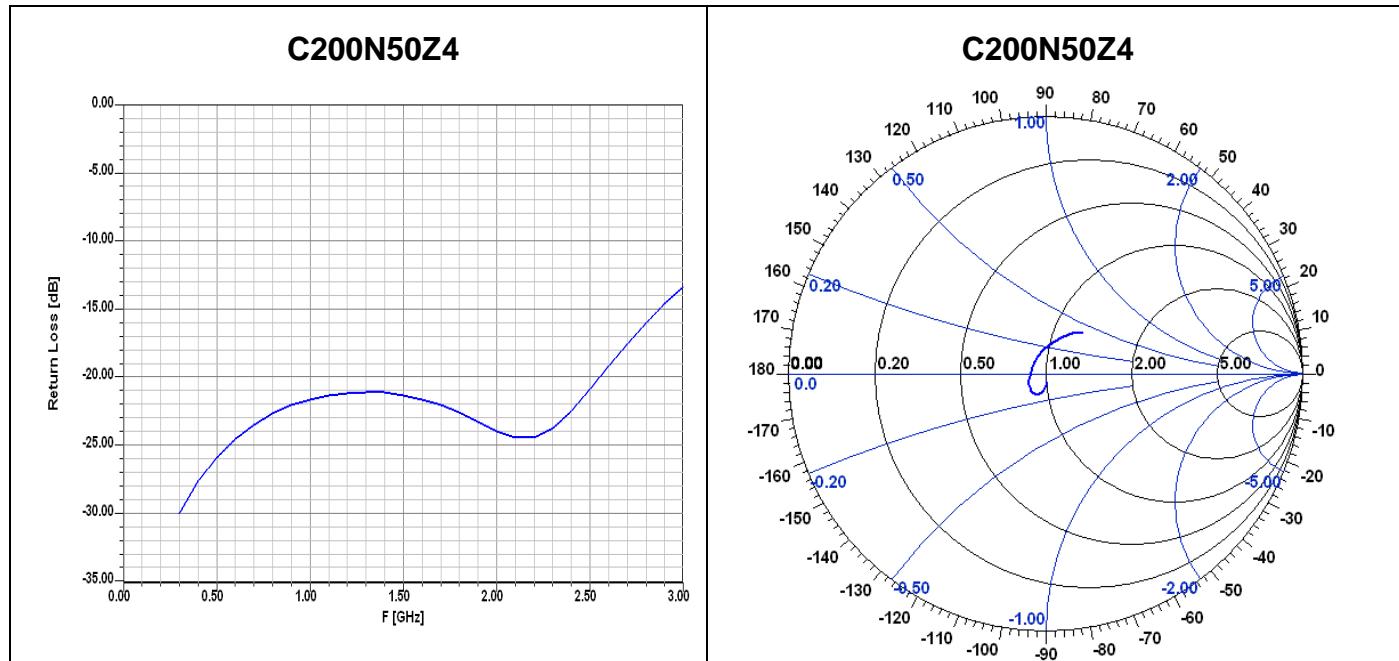


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

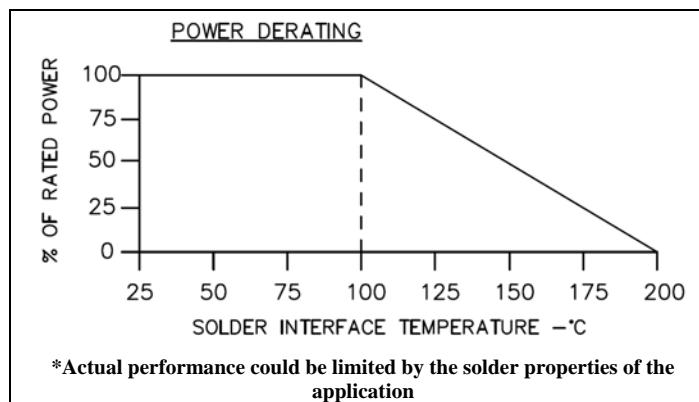
1 of 2



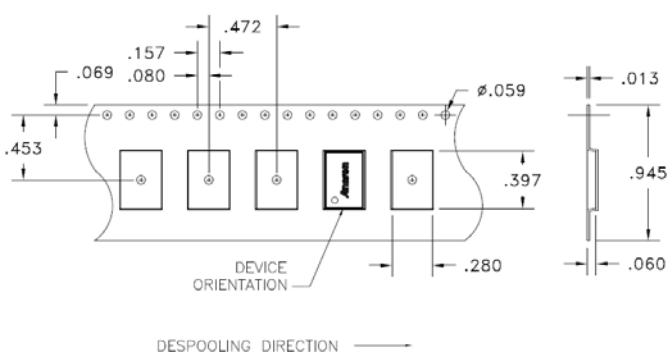
## Typical Performance:



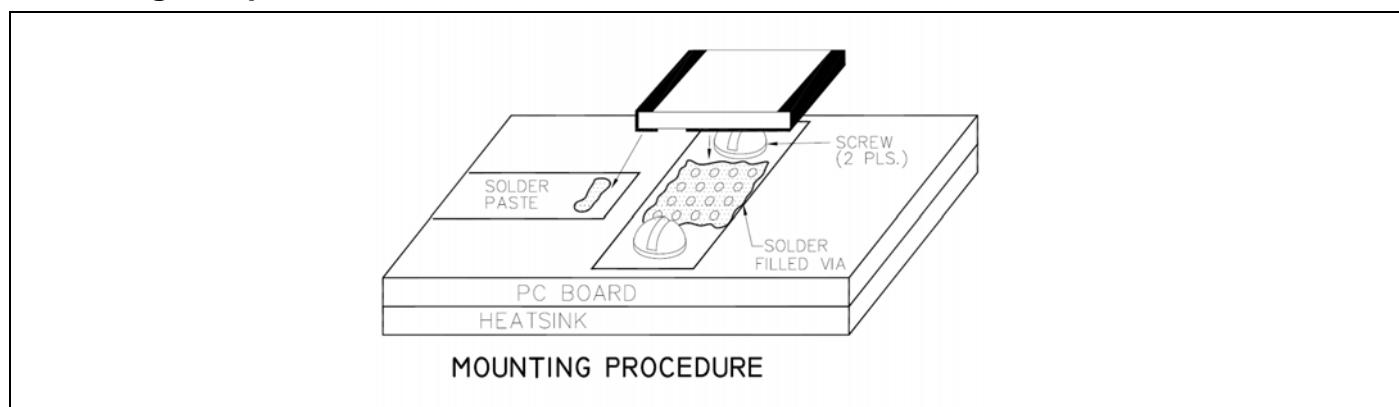
## Power De-rating:



## Tape &amp; Reel [Available]:



## Mounting Footprint and Procedure:



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