Model C20A50Z4

Surface Mount Termination
20 Watts, 50Ω



Description

The C20A50Z4 is high performance Alumina (Al_2O_3) surface mount termination intended as a cost competitive alternative to Aluminum Nitride (AlN). 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!

Features:

- **RoHS Compliant**
- **20 Watts**
- **DC – 4.0 GHz**
- **Al_2O_3 Ceramic**
- **Non-Nichrome Resistive Element**
- **Low Return Loss**
- **100% Tested**
- **Small Size**

General Specifications

Resistive Element	Thick film
Substrate	Al_2O_3 Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-50 to +125°C (see de rating chart)

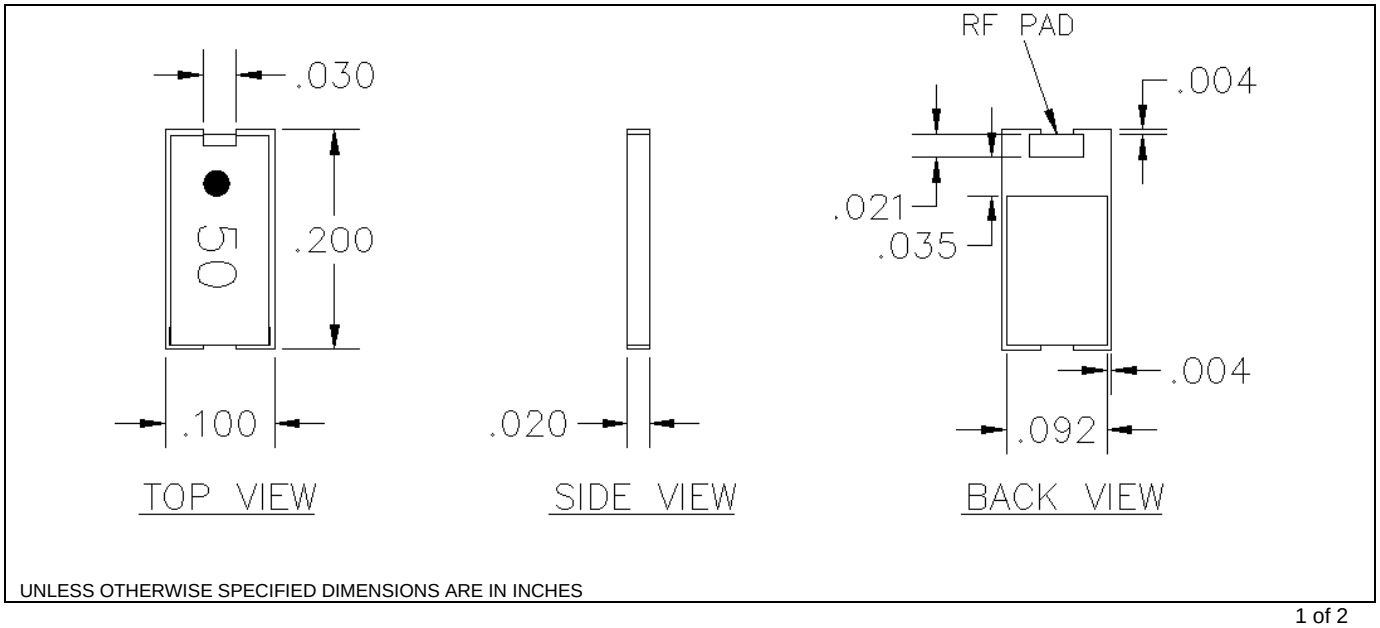
Tolerance is ±0.010", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Electrical Specifications

Resistance Value:	50 Ohms, ± 2%
Power:	20 Watts
Frequency Range:	DC – 4.0 GHz
Return Loss	>26 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



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

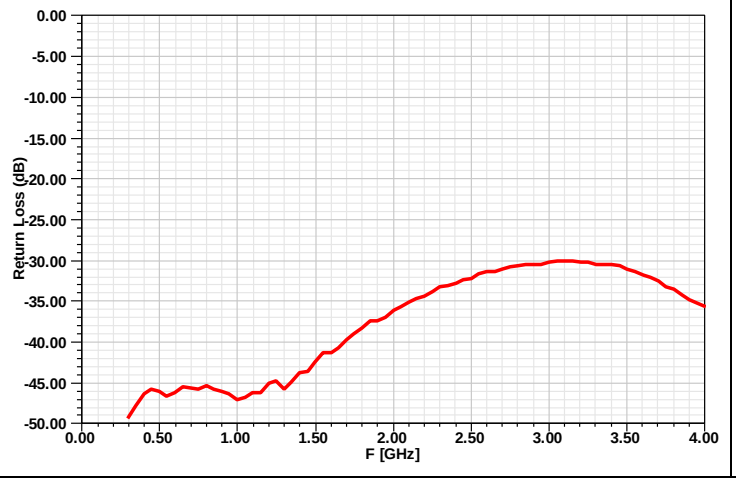
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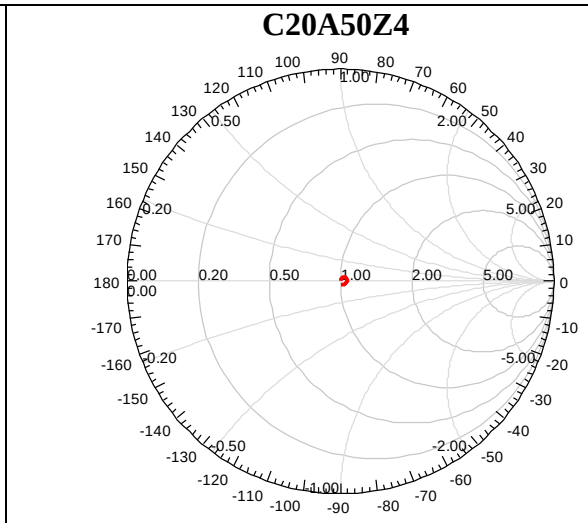


Available on Tape and Reel For Pick and Place Manufacturing.

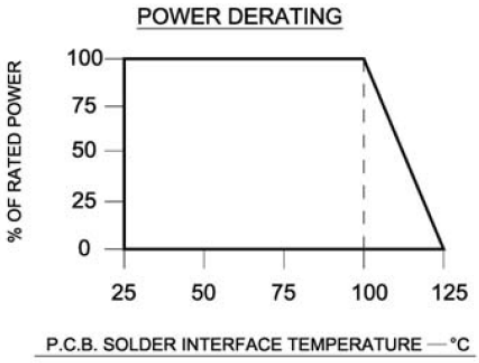
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Typical Performance:



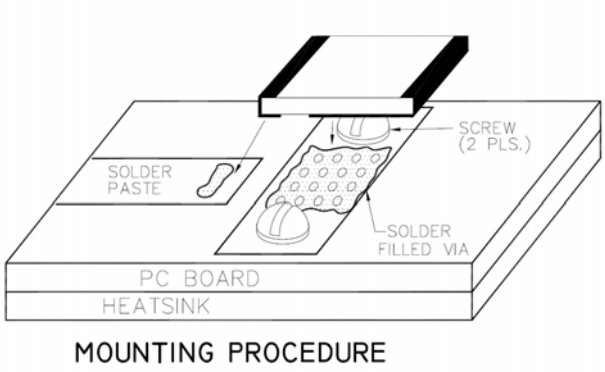


Power De-rating:

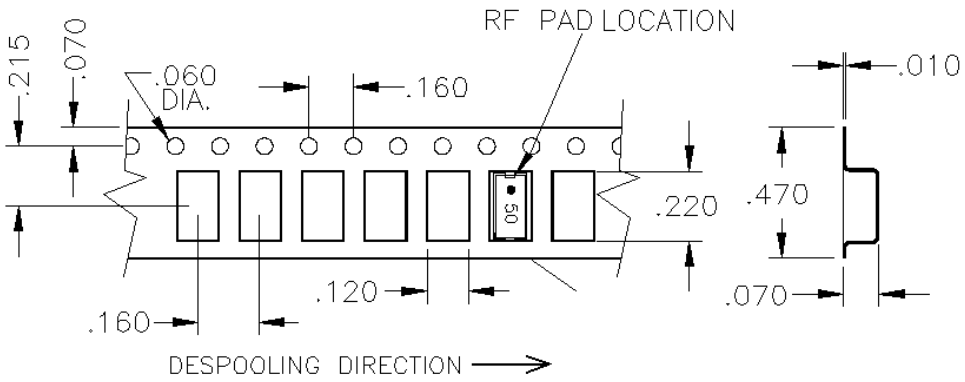


***Actual performance could be limited by the solder properties of the application**

Mounting Footprint and Procedure:



Tape & Reel:



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