

Surface Mount Termination 10 Watts, 50Ω



Description

The C10A50Z4 is high performance RoHS compliant Alumina (Al₂O₃) surface mount termination intended as a lower cost alternative to Aluminum Nitride (AIN) and 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 90 degree hybrid directional couplers, and for use in isolators

General Specifications

Resistive Element Thick film Substrate Al₂O₃ Ceramic

Matte Tin over Nickel Barrier **Terminal Finish Operating Temperature** -55 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

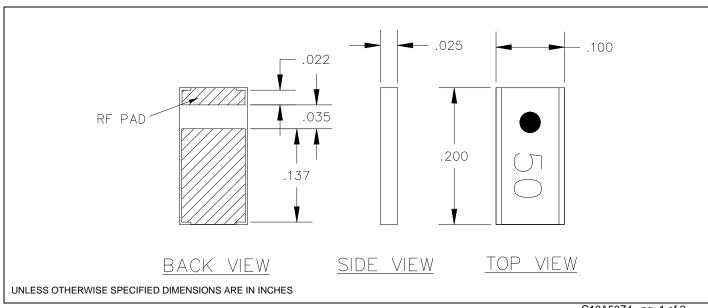
Resistance Value: 50 Ohms. ± 2% Power: 10 Watts DC - 3.0 GHz Frequency Range: V.S.W.R.: < 1.25:1

Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. Specifications subject to change without notice.

Features:

- **RoHS Compliant**
- 10 Watts
- DC 3.0 GHz
- Al₂O₃ Ceramic
- **Non-Nichrome Resistive Element**
- Low VSWR
- 100% Tested

Outline Drawing



C10A50Z4 pg. 1 of 2



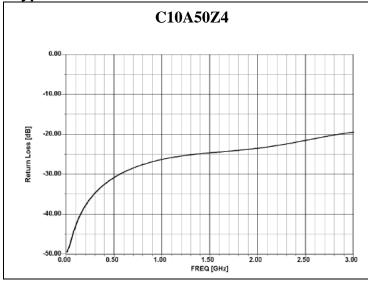


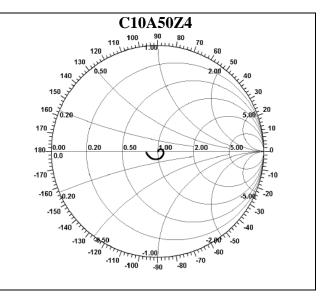
Available on Tape and Reel For Pick and Place Manufacturing.

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



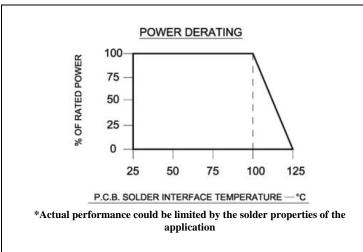
Typical Performance:

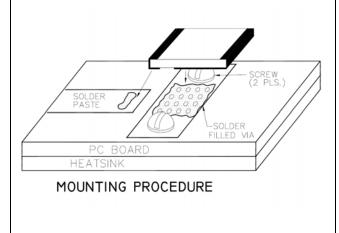




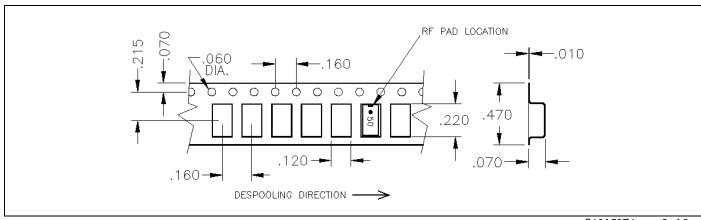
Power De-rating:

Mounting Footprint and Procedure:





Tape & Reel:



C10A50Z4 pg. 2 of 2

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