

Surface Mount Termination 16 Watts, 50Ω



Features:

- RoHS Compliant
- 16 Watts
- DC 4.0 GHz
- Al₂O₃ Ceramic
- Non-Nichrome Resistive Element
- Low Return Loss
- 100% Tested
- Small Size

Description

The C16A50Z4 is high performance Alumina (Al_2O_3) surface mount termination intended as a cost competitive alternative to Aluminum Nitride (AIN). 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

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 of exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Electrical Specifications

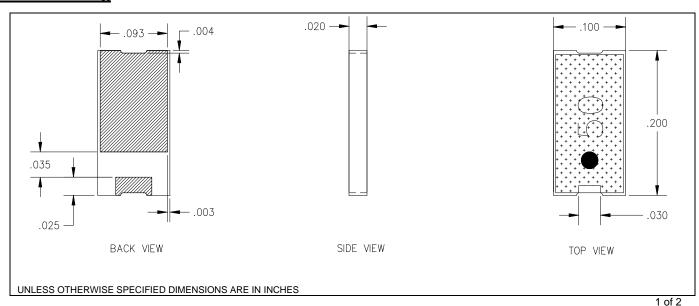
Resistance Value: 50 Ohms, ± 2%

Power: 16 Watts Frequency Range: DC - 4.0 GHz

Return Loss >26 dB DC - 2.7 GHz >24 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





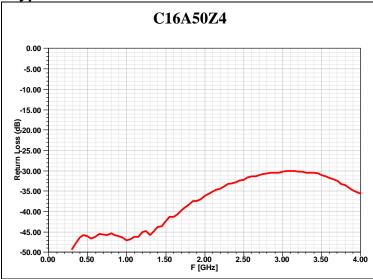


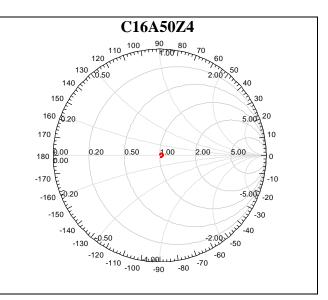
Available on Tape and Reel For Pick and Place Manufacturing.

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



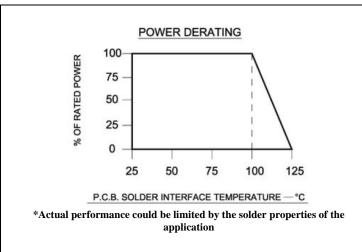
Typical Performance:

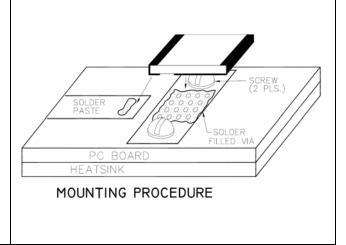




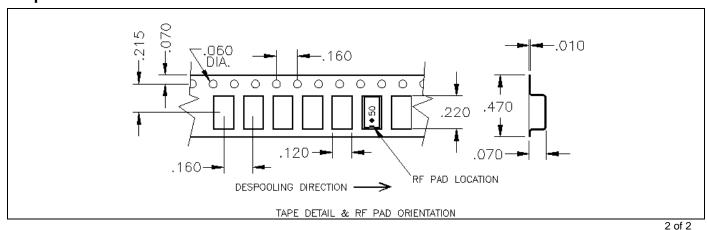
Power De-rating:

Mounting Footprint and Procedure:





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