

Surface Mount Termination 75 Watts, 50Ω



Features:

- RoHS Compliant
- 75 Watts
- DC 2.7 GHz
- Al₂O₃ Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

Description

The C75A50Z4 is high performance Alumina (Al_2O_3) 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 Al₂O₃ Ceramic

Terminal Finish Matte Tin over Nickel Barrier

Operating Temperature -50 to +200°C (see de rating chart)

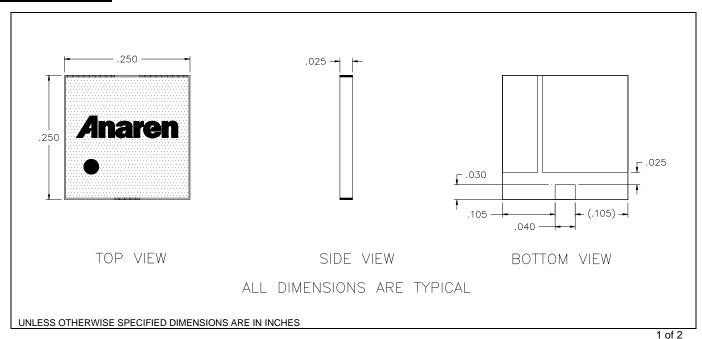
Tolerance is ± 0.010 ", unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Electrical Specifications

Resistance Value:50 Ohms, \pm 2%Power:75 WattsFrequency Range:DC -2.7 GHzReturn Loss>20 dB

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

Outline Drawing





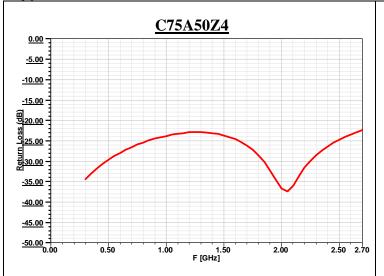


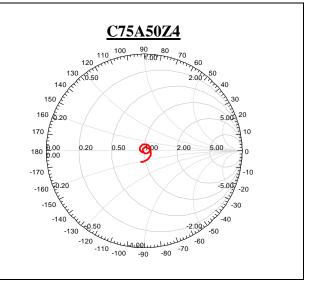
Available on Tape and Reel For Pick and Place Manufacturing.

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Typical Performance:

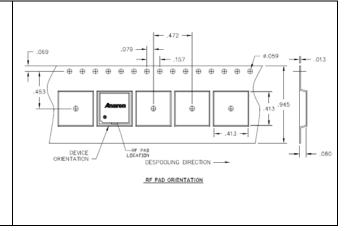




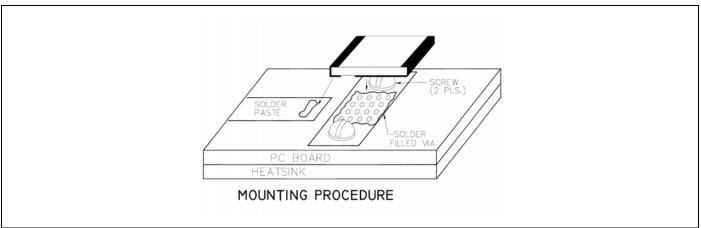
Power De-rating:

POWER DERATING RATED POWER 100-75 50 25 P 25 50 75 100 125 150 175 200 SOLDER INTERFACE TEMPERATURE -*C *Actual performance could be limited by the solder properties of the application

Tape & Reel:



Mounting Footprint and Procedure:



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