



Compliant

Surface Mount Termination 16 Watts, 50Ω

Description

The C16A50Z4 is high performance Alumina (Al₂O₃) surface mount termination intended as a low cost alternative to Aluminum Oxide (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

Resistive Element Thick film Substrate Al₂O₃ Ceramic

Terminal Finish Matte Tin over Nickel Barrier

Operating Temperature -55 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

> 26 dB DC to 2.7 GHz **Return Loss** > 24 dB 2.7 GHz to 4.0GHz

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

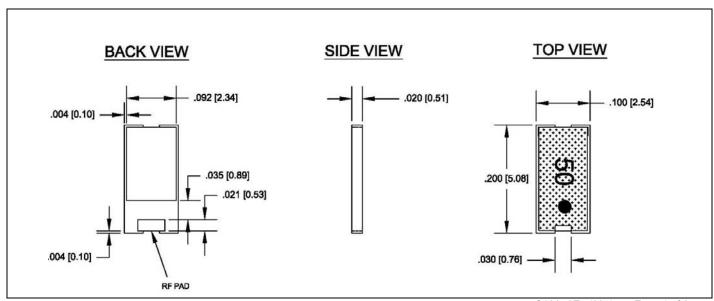
50

Power

Features:

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

Outline Drawing



C16A50Z4 (097) rev.E pg. 1 of 2





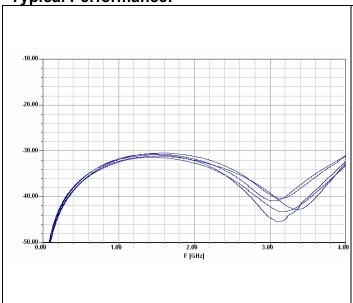
Available on Tape and Reel For Pick and Place Manufacturing.

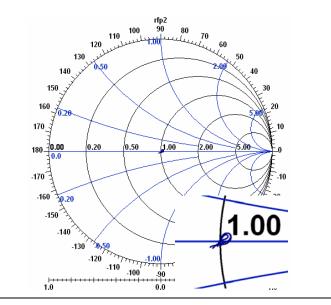
USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 +44 2392-232392 Europe:





Typical Performance:





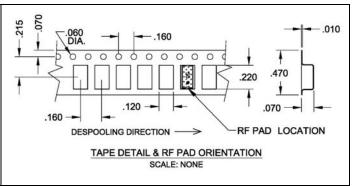
Power De-rating:

POWER DERATING

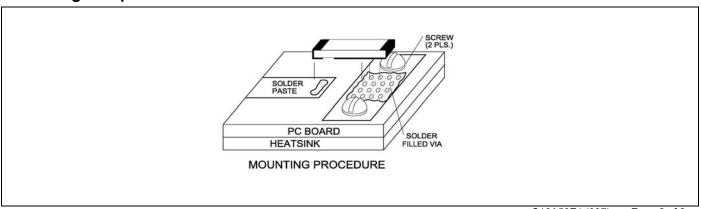
100
75
50
25
0
25
50
75
100
125

P.C.B. SOLDER INTERFACE TEMPERATURE —°C

Tape & Reel:



Mounting Footprint and Procedure:



C16A50Z4 (097) rev.E pg. 2 of 2

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