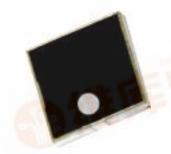


# Model C40A50Z4



# Surface Mount Termination 40 Watts, $50\Omega$



## Features:

- 40 Watts
- Lowest Cost
- RoHS Compliant
- Alumina Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

## **Description**

The C40A50Z4 is a high performance RoHS compliant Alumina (Al2O3) surface mount termination intended as a lower cost alternative to Aluminum Nitride (AlN) and Beryllium Oxide (BeO). The SMD 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° hybrids, directional couplers, and for use in isolators.

#### **General Specifications**

Resistive Element Thick film

Substrate Alumina Ceramic
Terminal Finish Tin over Nickel

Operating Temperature -55 to +125°C (see 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%

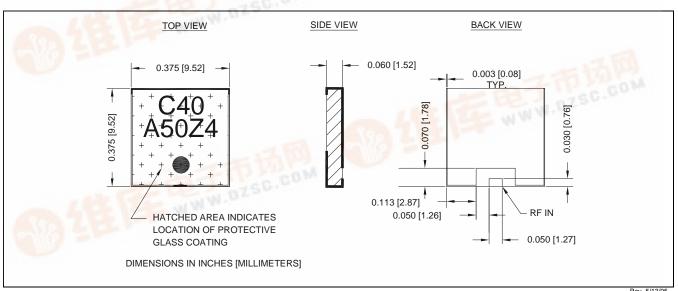
Power: 40 Watts

Frequency Range: 1KHz – 2.3GHz

V.S.W.R.: <1.20:1

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

## **Outline Drawing**



Rev. 5/13/05





Available on Tape

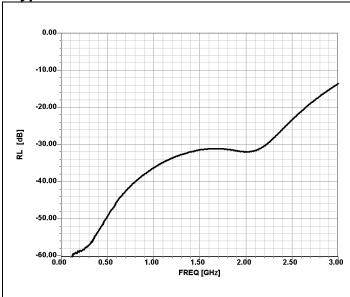
USA/Canada: Toll Free:

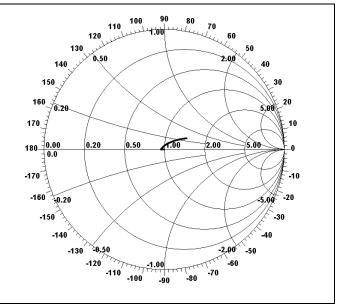
(315) 432-8909 (800) 544-2414



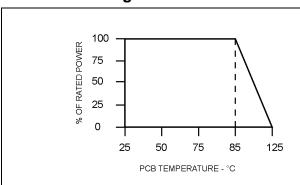


**Typical Performance:** 

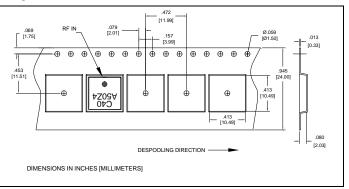




### **Power De-rating:**



Tape & Reel:



# **Mounting Footprint and Procedure:**

