



Surface Mount Termination 40 Watts, 50Ω



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

Electrical Specifications

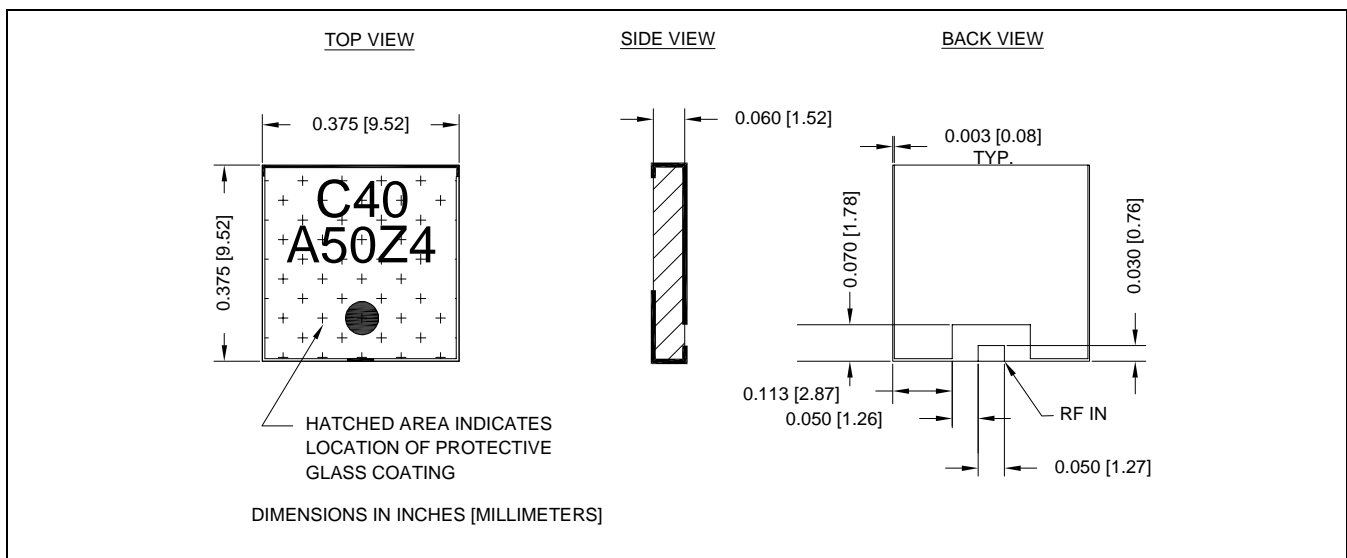
Resistance Value:	50 ohms, ± 2%
Power:	40 Watts
Frequency Range:	1KHz – 2.3GHz
V.S.W.R.:	<1.20:1

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

Features:

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

Outline Drawing



Rev. 5/13/05

