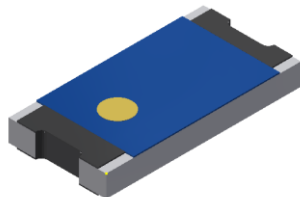


Surface Mount Termination

8 Watts, 50 Ω



Description

The C8A50Z4B is high performance Alumina (Al₂O₃) Surface Mount termination intended as a low cost alternative to Aluminum Nitride (AlN). The termination is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS. The termination is also RoHS compliant!

Features:

- RoHS Compliant
- 8 Watts
- DC – 6.0 GHz
- Al₂O₃ Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

General Specifications

Resistive Element	Thick film
Substrate	Al ₂ O ₃ Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +125°C (see de rating chart)

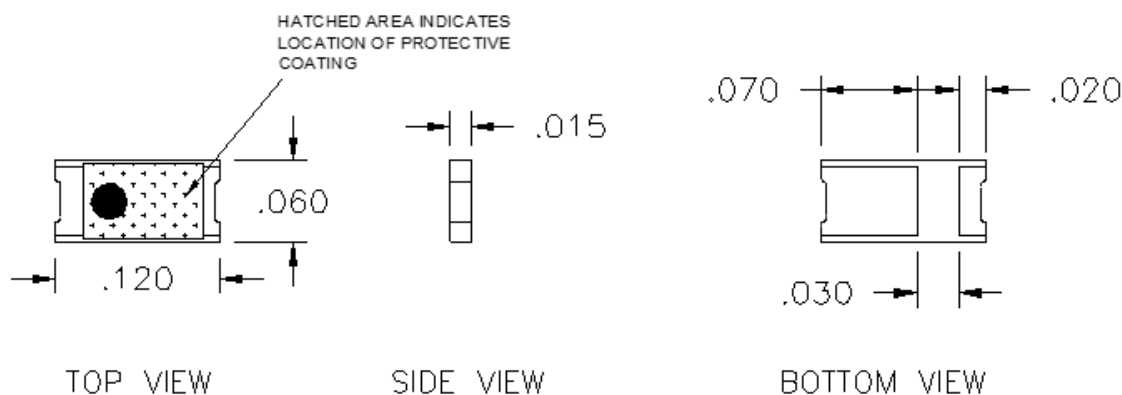
Tolerance is ± 0.010 ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Electrical Specifications

Resistance Value:	50 Ohms, $\pm 2\%$
Power:	8 Watts
Frequency Range:	DC – 6.0 GHz
Return Loss	>19 dB

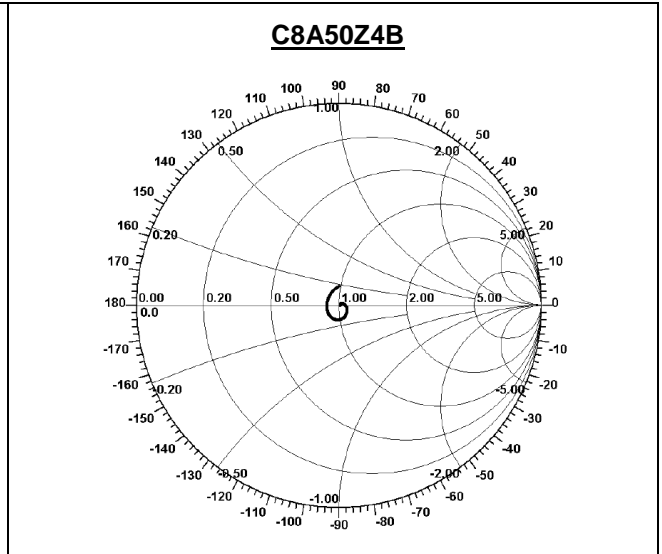
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

Outline Drawing

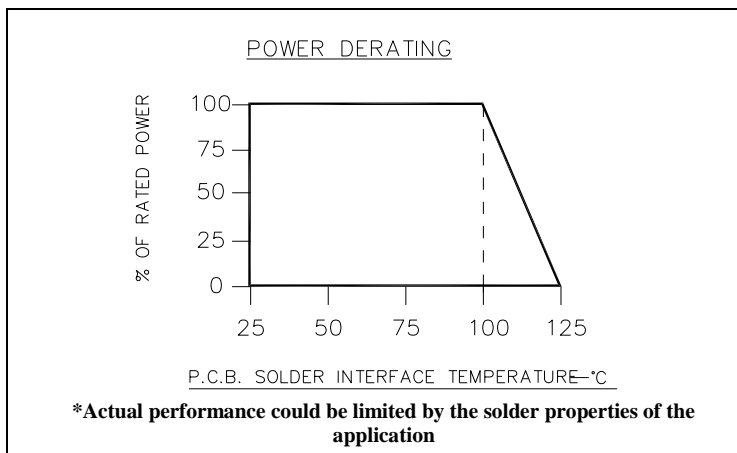


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

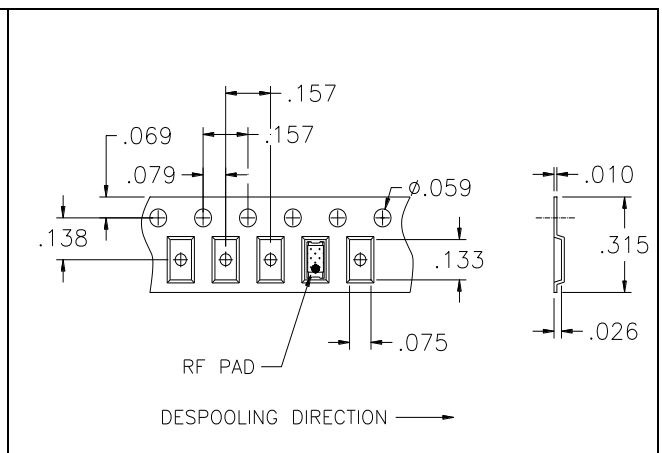
Typical Performance:



Power De-rating:



Tape and Reel:



Mounting Footprint and Procedure:

