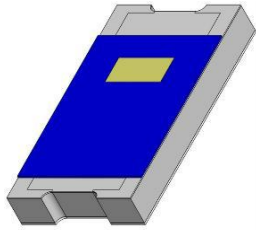


Surface Mount Termination 8 Watts, 50Ω



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!

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

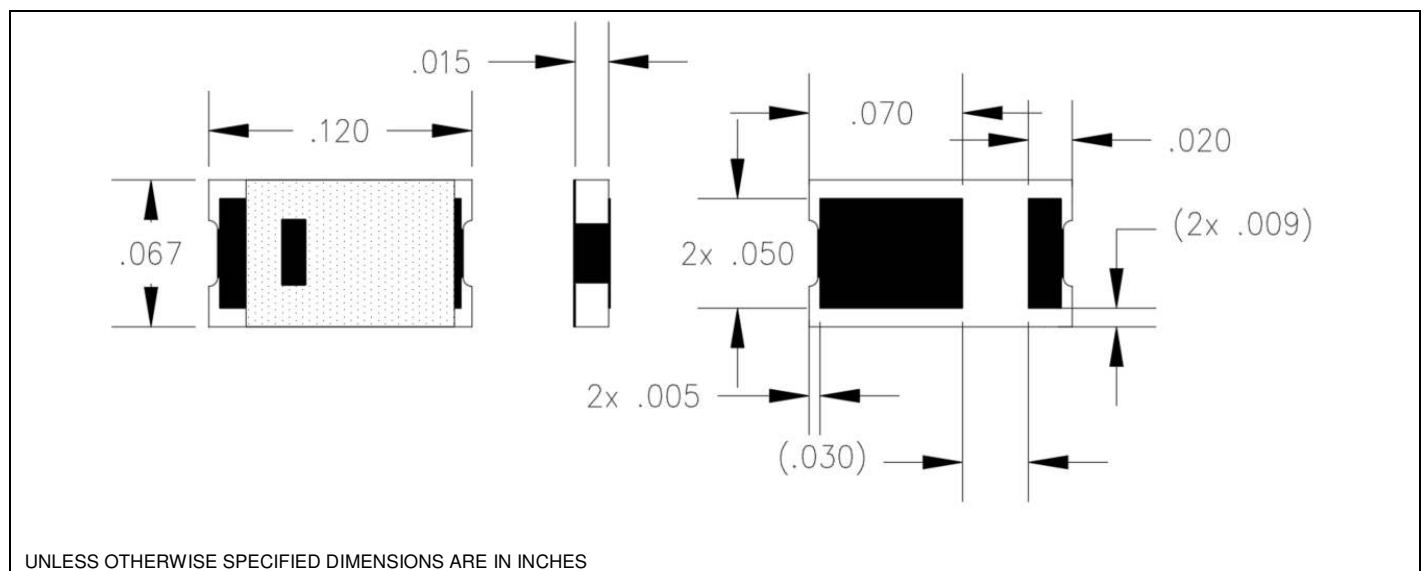
| | |
|--------------------------|---------------|
| Resistance Value: | 50 Ohms, ± 2% |
| Power: | 8 Watts |
| Frequency Range: | DC – 6.0 GHz |
| Return Loss | >19 dB |

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

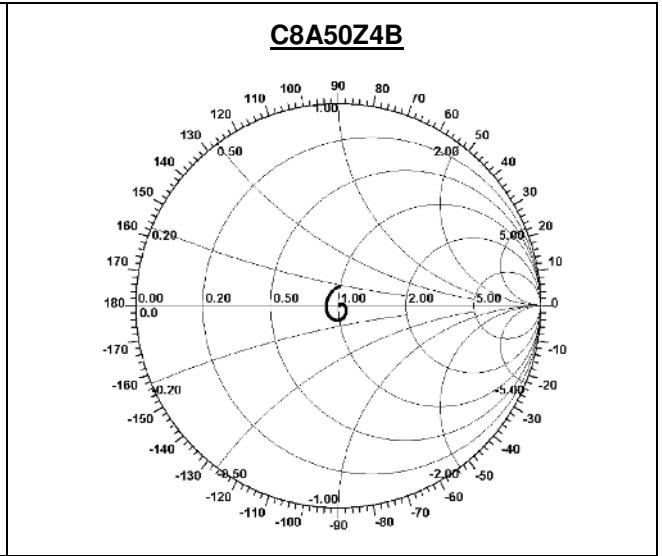
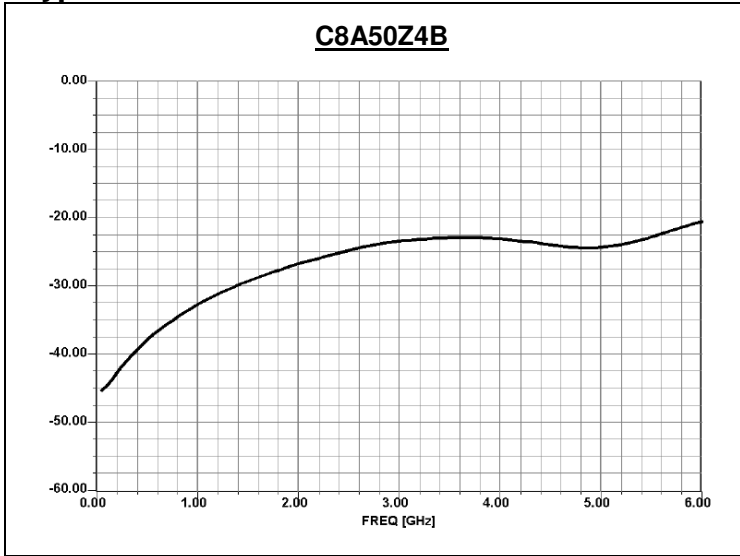
Features:

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

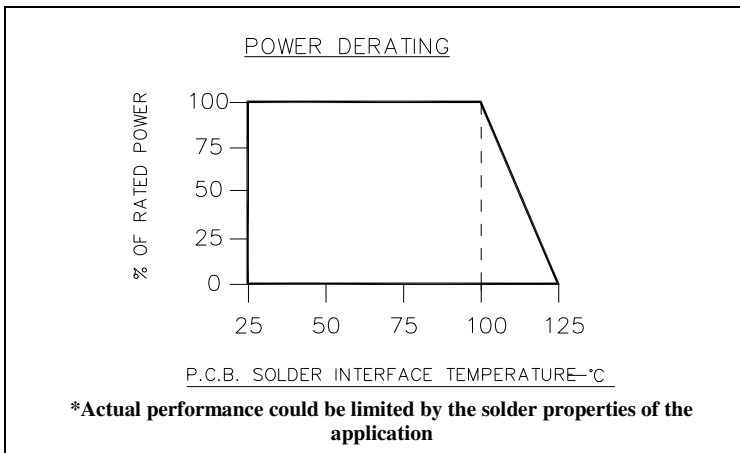
Outline Drawing



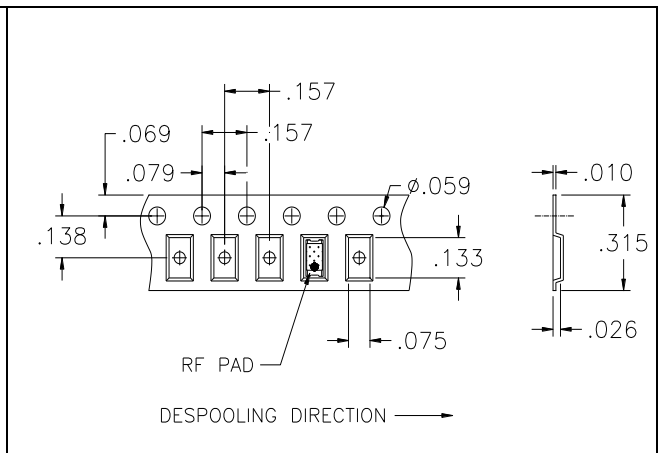
Typical Performance:



Power De-rating:



Tape and Reel:



Mounting Footprint and Procedure:

