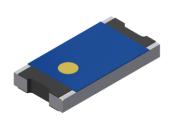


# Surface Mount Termination 8 Watts, $50\Omega$



#### Features:

- RoHS Compliant
- 8 Watts
- DC 6.0 GHz
- Al<sub>2</sub>0<sub>3</sub> Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

## **Description**

The C8A50Z4B is high performance Alumina ( $Al_2O_3$ ) Surface Mount termination intended as a low cost alternative to Aluminum Nitride (AIN). 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<sub>2</sub>O<sub>3</sub> Ceramic

Terminal Finish Matte Tin over Nickel Barrier

Operating Temperature -55 to +125°C (see de rating chart)

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

## **Electrical Specifications**

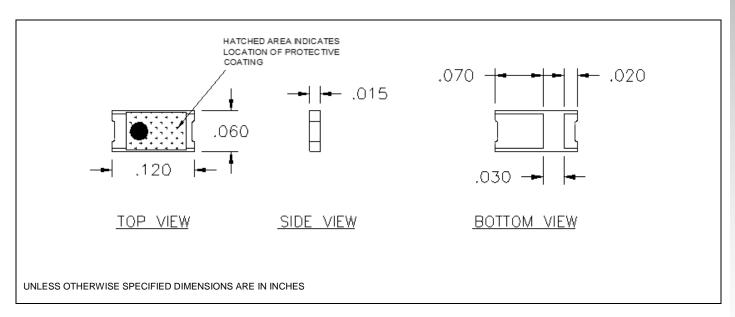
**Resistance Value:** 50 Ohms,  $\pm$  2%

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**



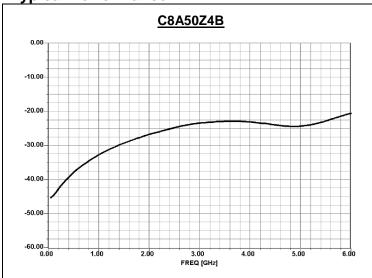


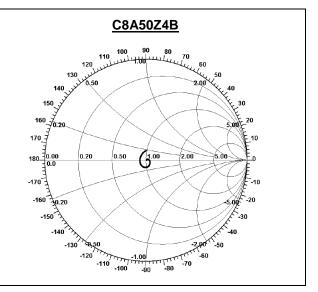
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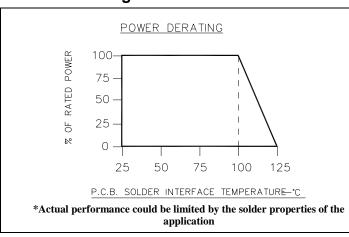


## **Typical Performance:**

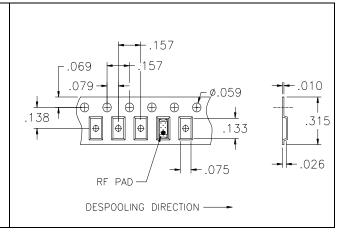




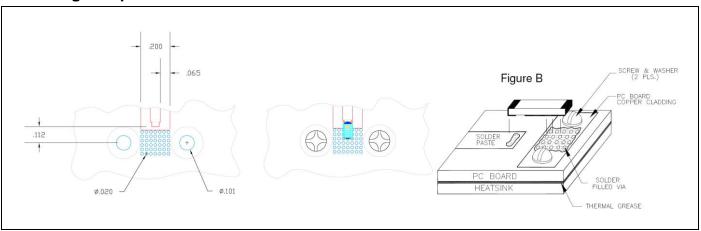
## **Power De-rating:**



## Tape and Reel:



## **Mounting Footprint and Procedure:**



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