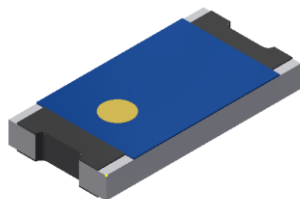


Surface Mount Termination

8 Watts, 50Ω



Description

The C8A50Z4B is high performance Alumina (Al_2O_3) 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_2O_3 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

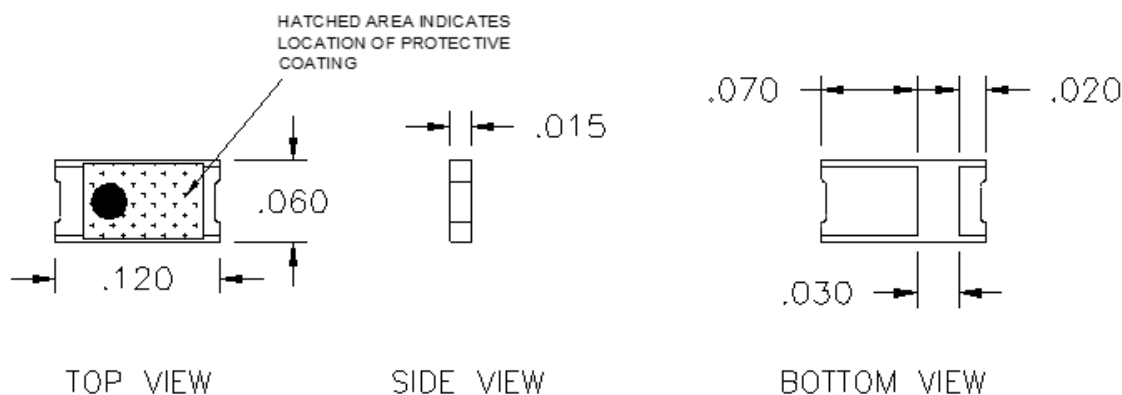
Resistance Value:	50 Ohms, $\pm 2\%$
Power:	8 Watts
Frequency Range:	DC – 6.0 GHz
Return Loss	>19 dB

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

Features:

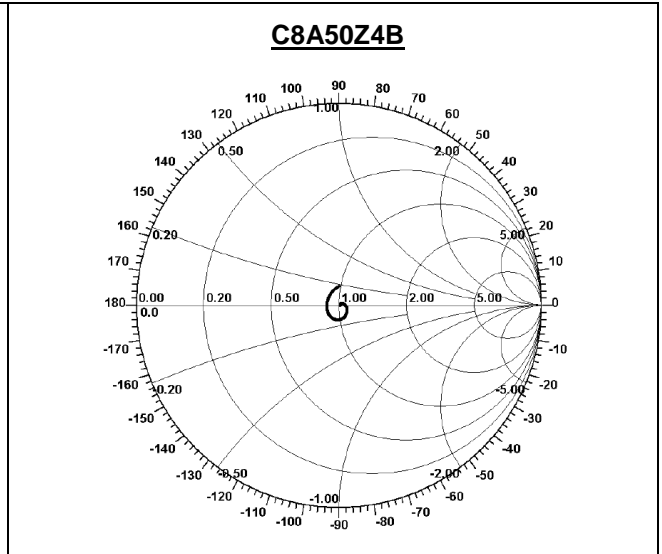
- RoHS Compliant
- 8 Watts
- DC – 6.0 GHz
- Al_2O_3 Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

Outline Drawing

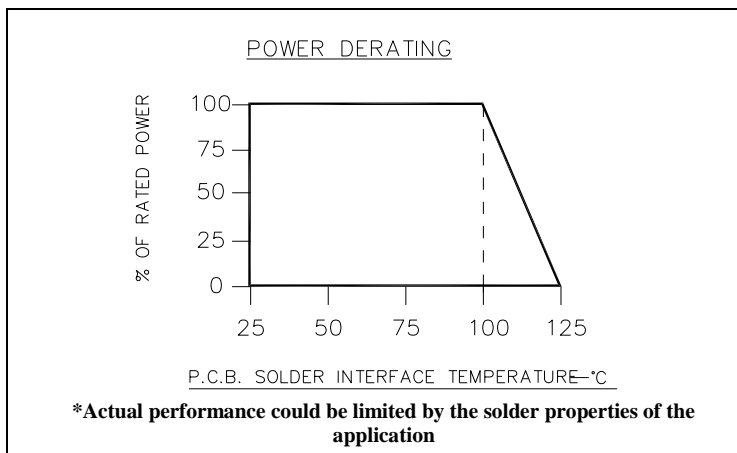


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

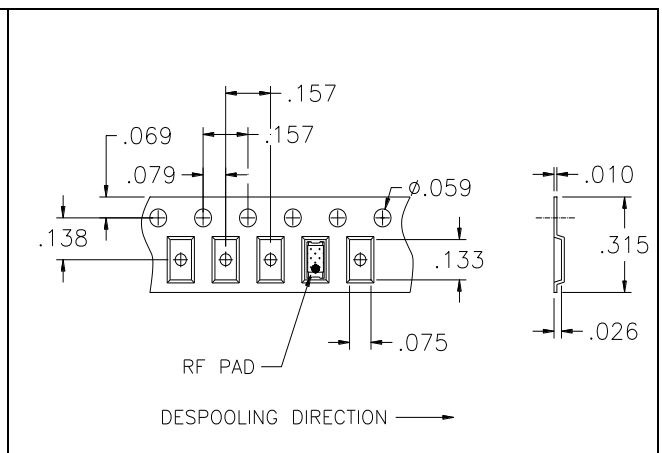
Typical Performance:



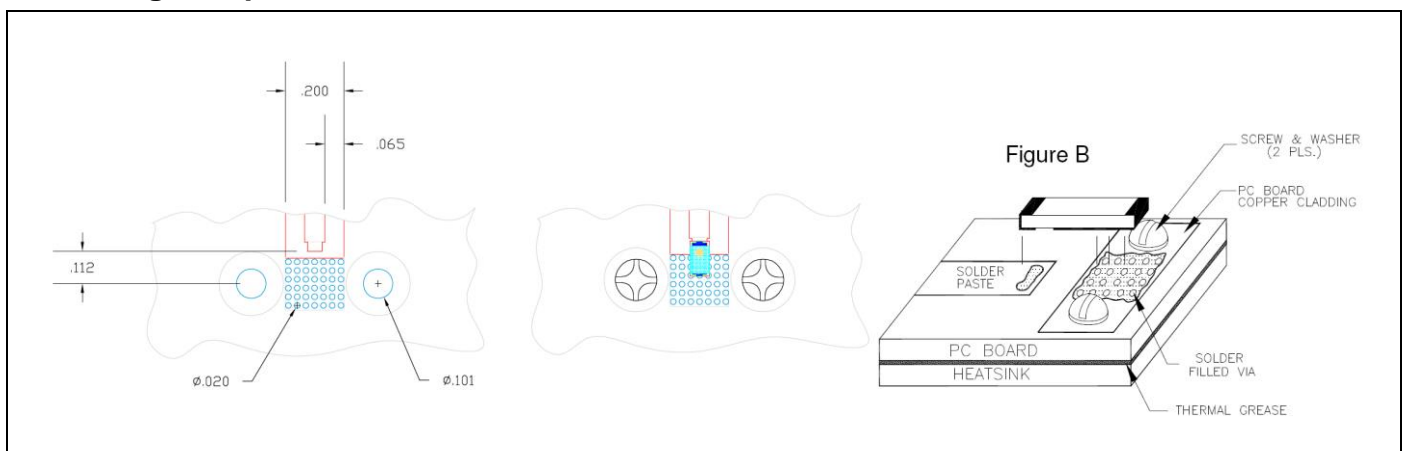
Power De-rating:



Tape and Reel:



Mounting Footprint and Procedure:



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Anaren:

[C8A50Z4A](#) [C8A50Z4B](#)