

# Surface Mount Termination 8 Watts, 50Ω

## **Description**

The C8A50Z4A 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**

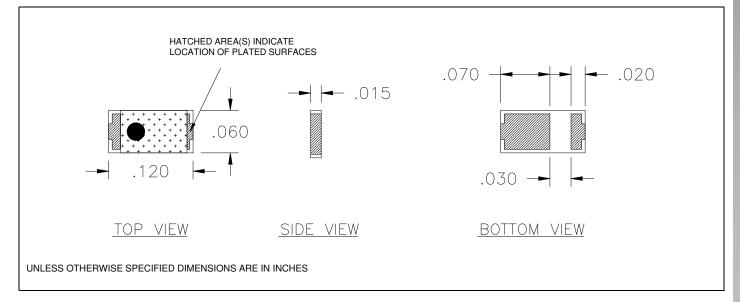
Resistive Element	Thick film
Substrate	Al <sub>2</sub> O <sub>3</sub> Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +125°C (see de rating chart)

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, ± 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<sub>2</sub>0<sub>3</sub> Ceramic
- Non-Nichrome Resistive
  Element
- Low VSWR
- 100% Tested
- Small Size

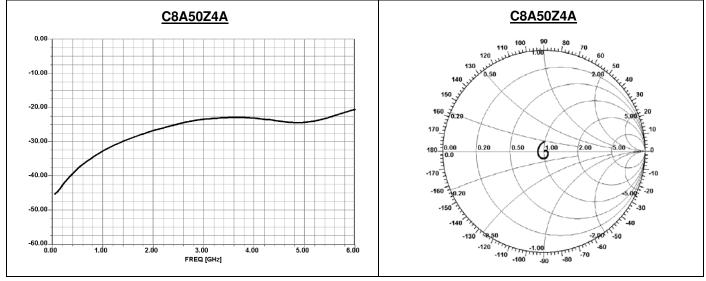
### **Outline Drawing**



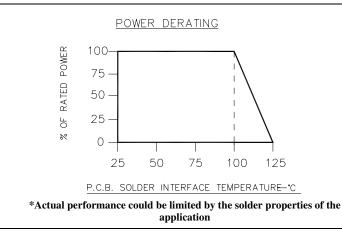
# Model C8A50Z4A



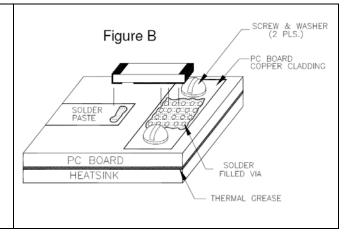
### **Typical Performance:**



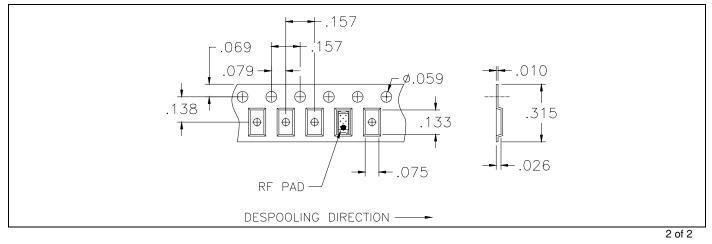
### **Power De-rating:**



### Mounting Footprint and Procedure:



# Tape and Reel:



Anaren What'll we think of next?"