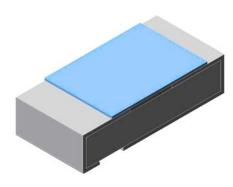


# Surface Mount Termination 20 Watts, $50\Omega$



# **Features:**

- RoHS Compliant
- 20 Watts
- DC 2.3 GHz
- AIN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

# **Description**

The C20N50Z4 is high performance Aluminum Nitride (AIN) surface mount termination intended as a cost competitive alternative to Beryllium Oxide (BeO). The termination is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS. The high power handling makes the part ideal for terminating high power 90 degree couplers and for use in microstrip circuits. The termination is also RoHS compliant!

#### **General Specifications**

Resistive Element Thick film

Substrate AIN Ceramic

Terminal Finish Matte Tin over Nickel Barrier

Operating Temperature -50 to +200°C (see de rating chart)

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

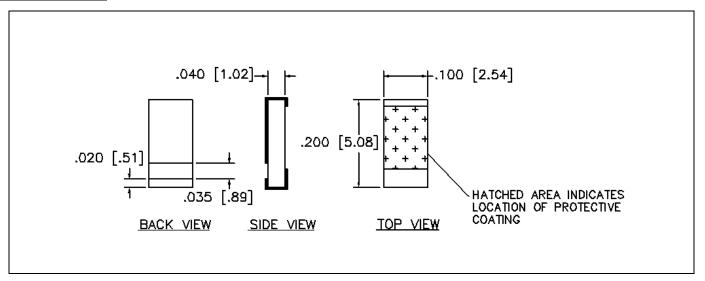
#### **Electrical Specifications**

**Resistance Value:** 50 Ohms, ± 2%

Power: 20 Watts
Frequency Range: DC – 2.3 GHz
Return Loss >20 dB to 2.3 GHz

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

# **Outline Drawing**



1 of 2



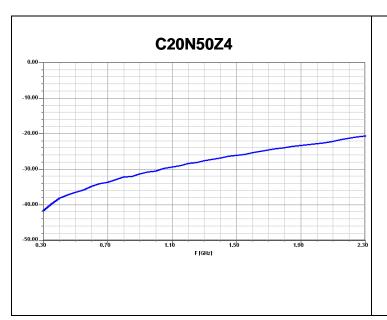


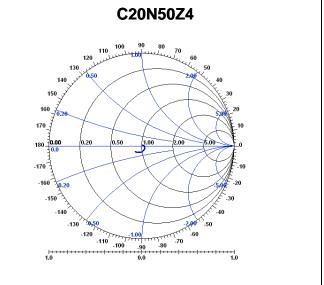
Available on Tape and Reel For Pick and Place Manufacturing.

USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 Europe: +44 2392-232392

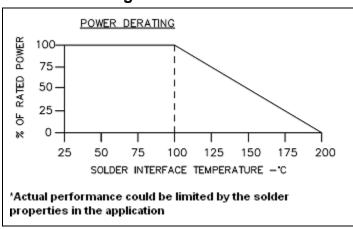


# **Typical Performance:**

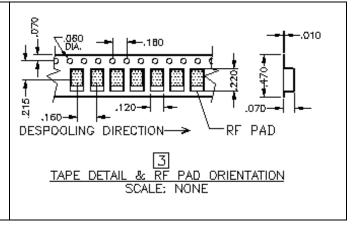




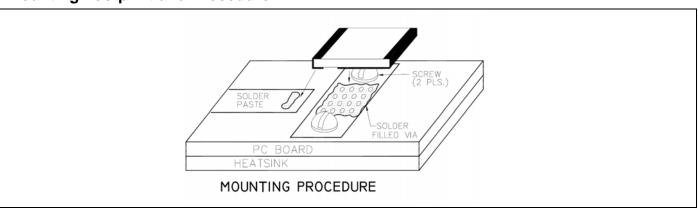
### **Power De-rating:**



Tape & Reel [Available]:



# **Mounting Footprint and Procedure:**



2 of 2

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