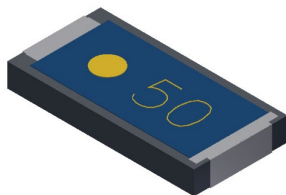


**Surface Mount RF Termination**  
**10 Watts, 50Ω**



**Features:**

- RoHS Compliant
- 10 Watts
- DC – 3.0 GHz
- Al<sub>2</sub>O<sub>3</sub> Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

**Description:**

The C10A50Z4 is high performance RoHS compliant Alumina (Al<sub>2</sub>O<sub>3</sub>) surface mount termination intended as a lower cost alternative to Aluminum Nitride (AlN) and 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 90 degree hybrid directional couplers, and for use in isolators.

**General Specifications:**

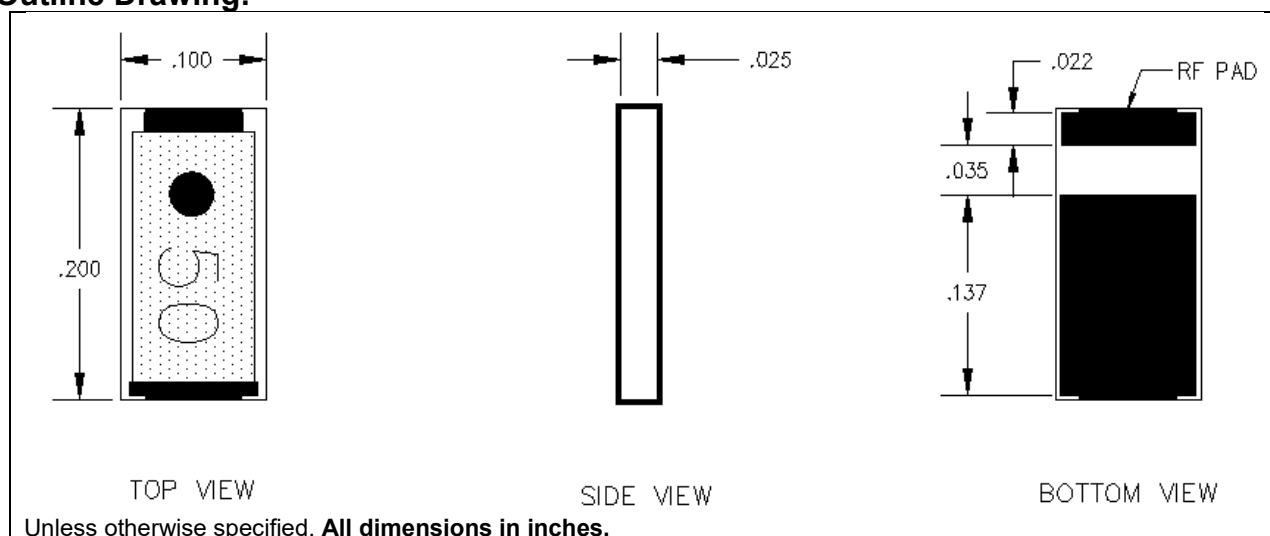
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	Al <sub>2</sub> O <sub>3</sub> Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +125°C (see de-rating chart)

**Electrical Specifications:**

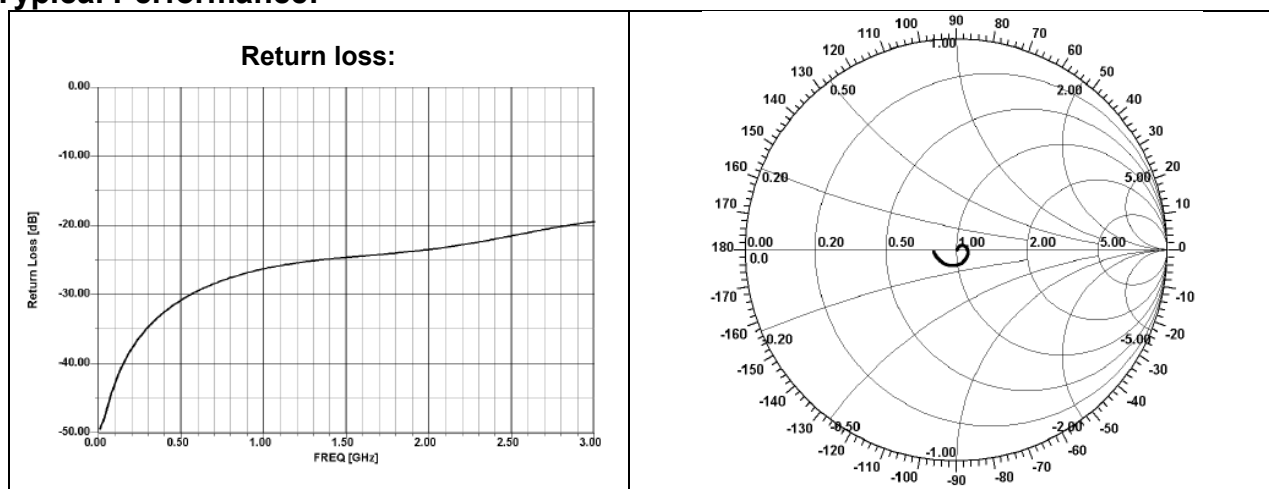
<b>Resistance Value:</b>	50 Ohms, ± 2%
<b>Power:</b>	10 Watts
<b>Frequency Range:</b>	DC – 3.0 GHz
<b>V.S.W.R.:</b>	< 1.25:1

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

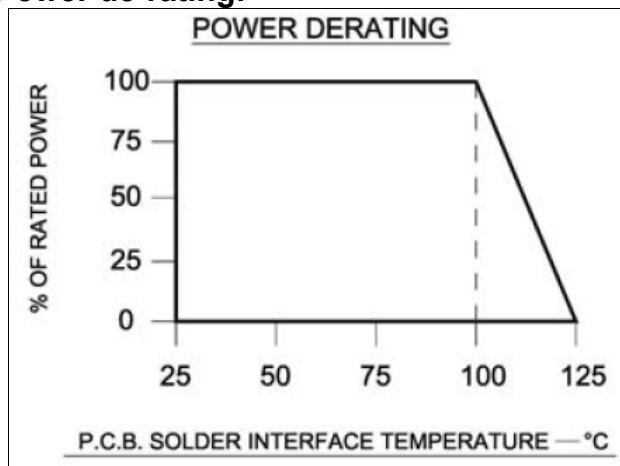
**Outline Drawing:**



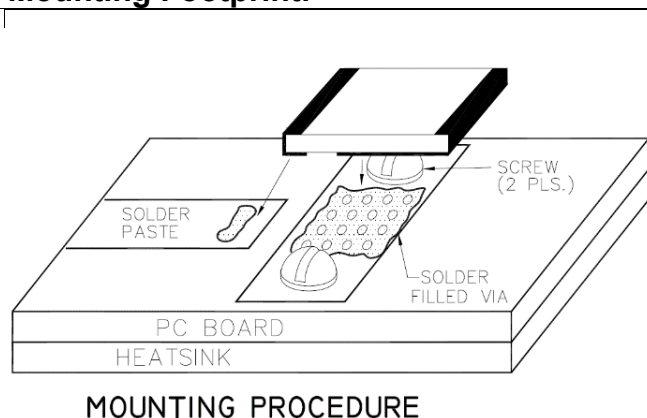
## Typical Performance:



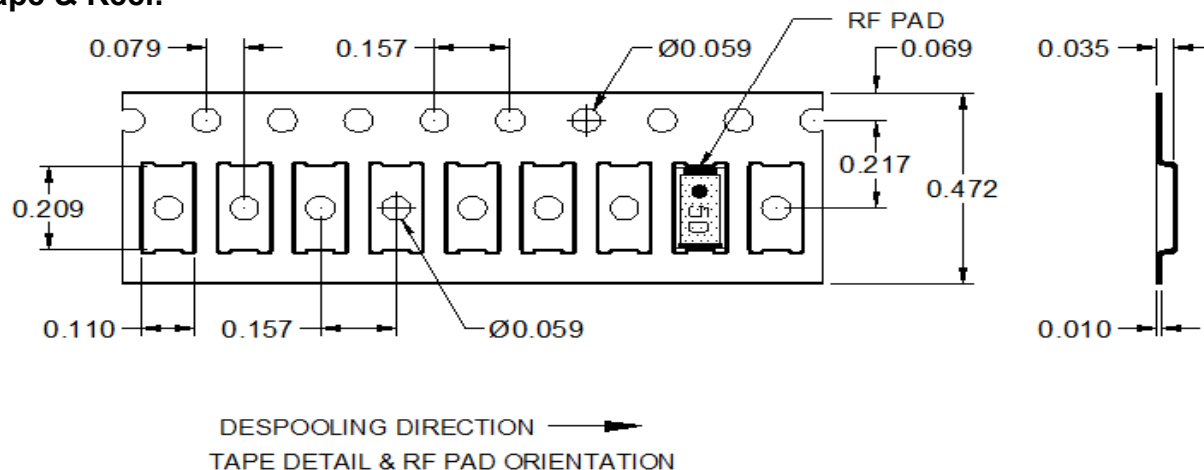
## Power de-rating:



## Mounting Footprint:



## Tape & Reel:



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