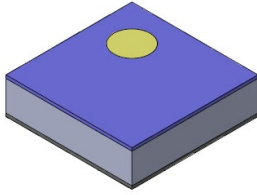


**Surface Mount RF Termination**  
**1 Watt, 50Ω**



**Description:**

The C1A50Z4 is high performance Alumina (Al<sub>2</sub>O<sub>3</sub>) surface mount termination intended as a low cost alternative to Aluminum Nitride (AlN). The termination is well suited for 3G, 4G & 5G Systems and is also RoHS compliant.

**Features:**

- RoHS Compliant
- 1 Watt
- Al<sub>2</sub>O<sub>3</sub> Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

**General Specifications:**

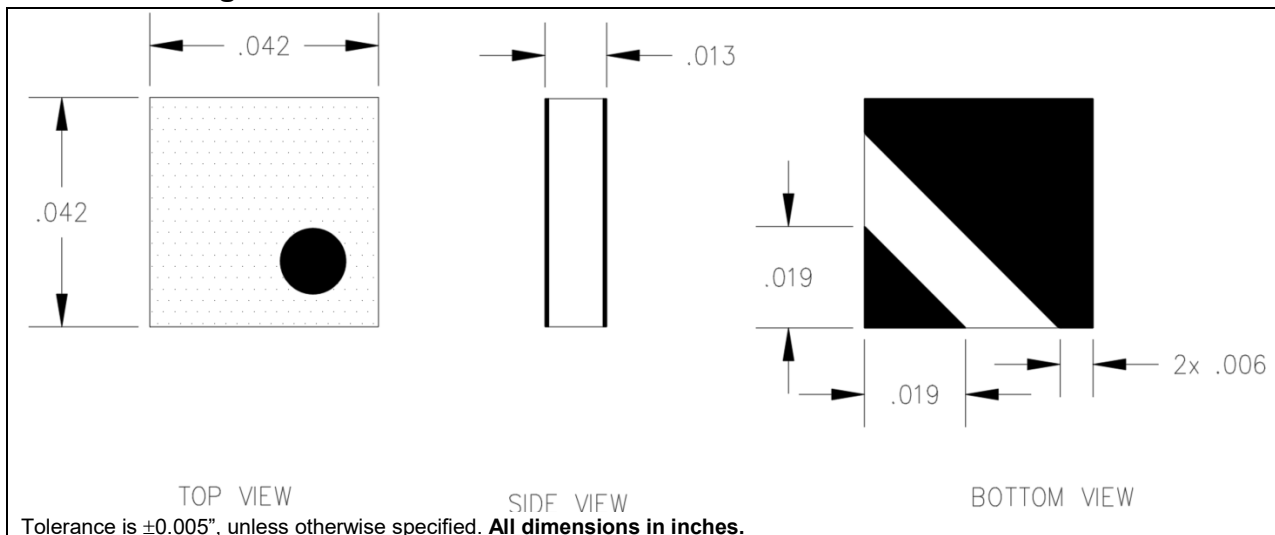
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	Al <sub>2</sub> O <sub>3</sub> Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +150°C (see de-rating chart)

**Electrical Specifications:**

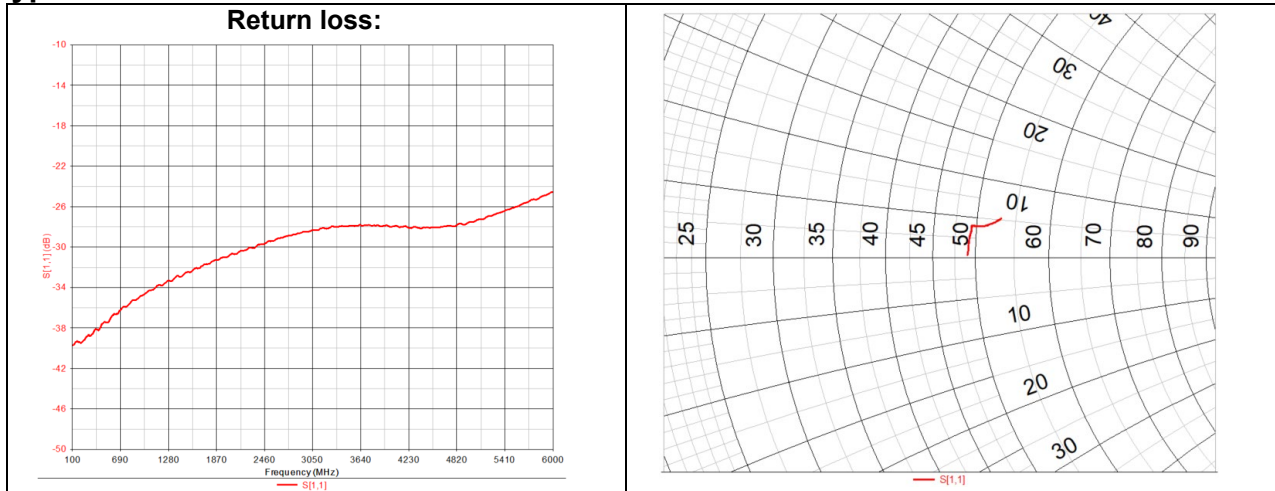
<b>Impedance:</b>	50 Ohms
<b>Power:</b>	1 Watt
<b>Max Frequency:</b>	DC-6.0 GHz
<b>Return Loss:</b>	>20 dB

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

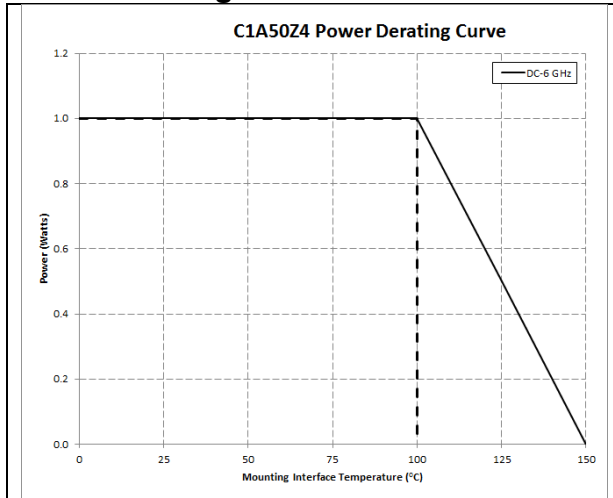
**Outline Drawing:**



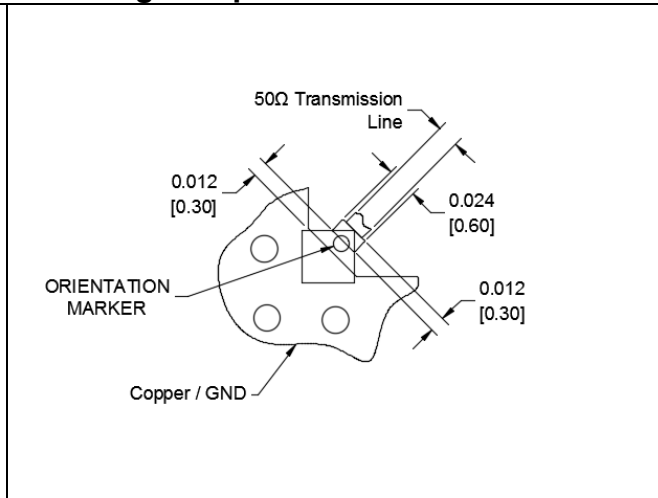
**Typical Performance:**



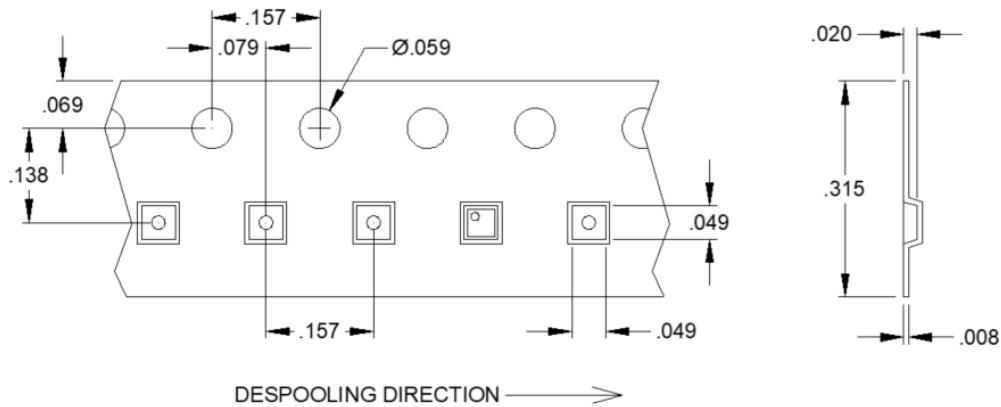
**Power de-rating:**



**Mounting Footprint:**



**Tape & Reel:**



**Contact us:**  
[rf&s\\_support@ttm.com](mailto:rf&s_support@ttm.com)