

## Surface Mount RF Termination 1 Watt, 50Ω

### Features:

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

### 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.

### General Specifications:

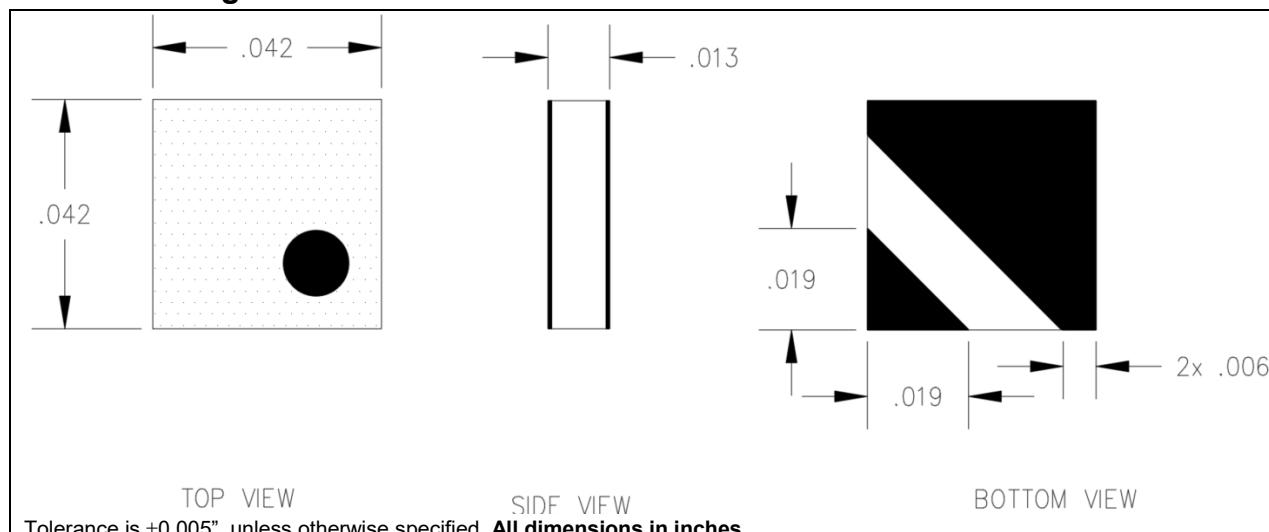
Resistive Element	Thick film
Substrate	Al <sub>2</sub> O <sub>3</sub> Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +150°C (see de-rating chart)

### Electrical Specifications:

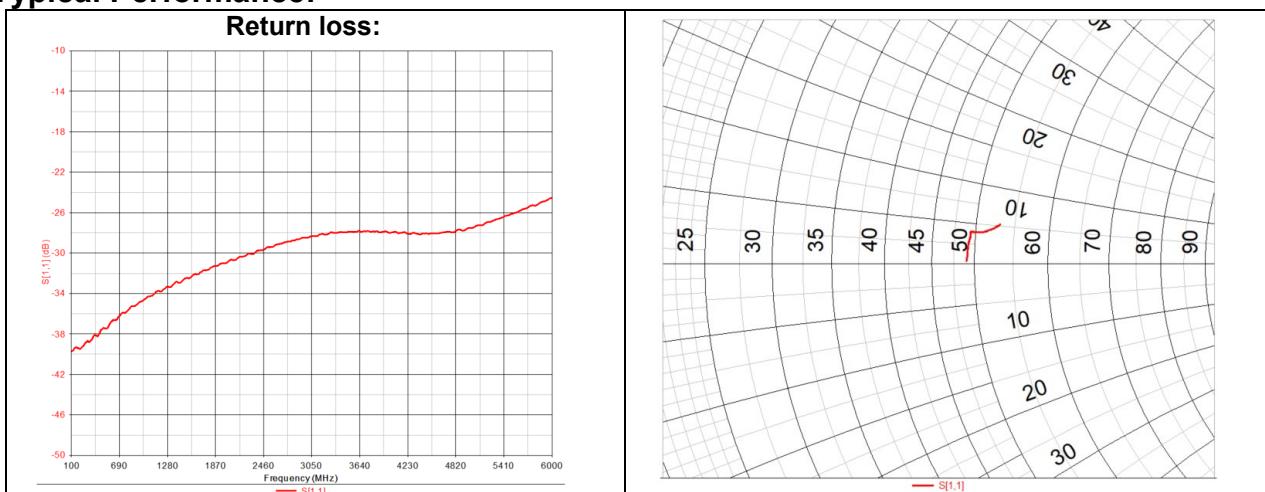
Impedance:	50 Ohms
Power:	1 Watt
Max Frequency:	DC-6.0 GHz
Return Loss:	>20 dB

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

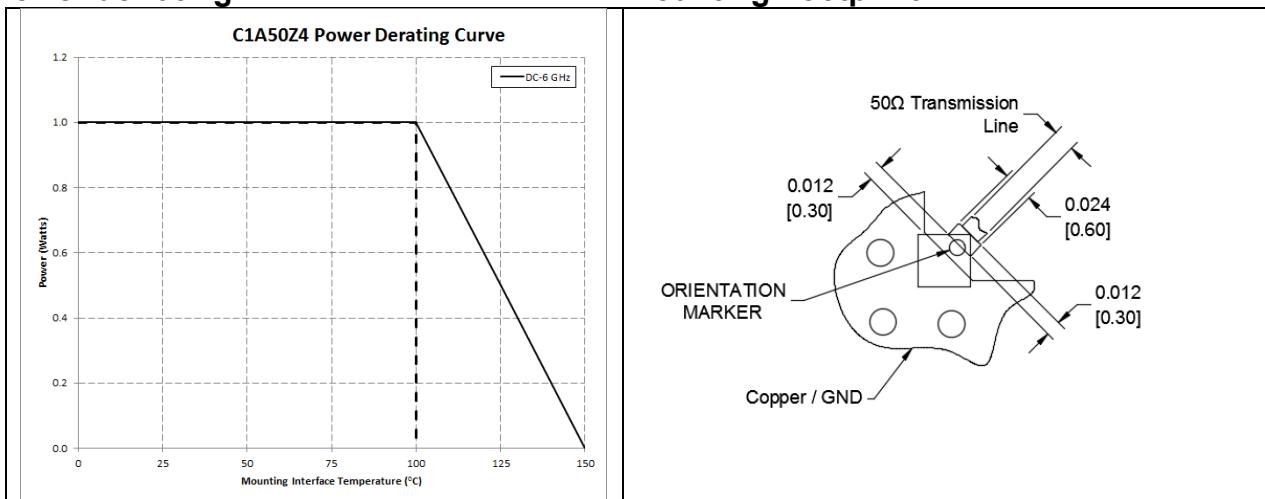
### Outline Drawing:



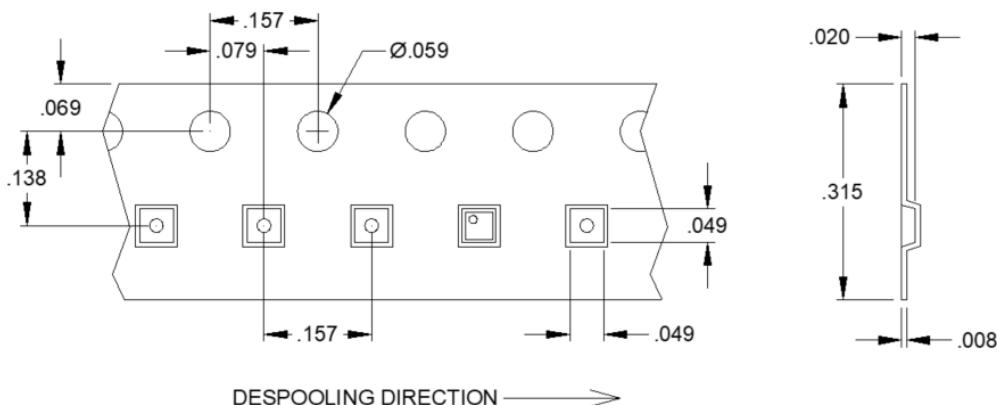
### Typical Performance:



### Power de-rating:



### Tape & Reel:



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