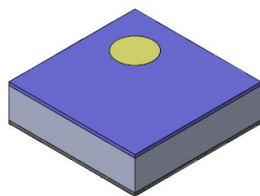


## Surface Mount RF Termination 1 Watt, 50Ω



### Features:

- RoHS Compliant
- 1 Watt (avg)
- Al<sub>2</sub>O<sub>3</sub> Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- 0404 (1mm x 1mm)
- Made in the USA

### Description:

The XRT1A50Z4 is a 0404 (1mm x 1mm) 1 Watt (avg) high performance Alumina (Al<sub>2</sub>O<sub>3</sub>) surface mount termination with a peak to average of 12dB. It is intended as a low cost alternative to Aluminum Nitride (AlN). The termination is well suited for Mil-Aero application from DC-6GHz and telecom applications in 4G & 5G Systems. This termination is also RoHS compliant and proudly made in USA.

### General Specifications:

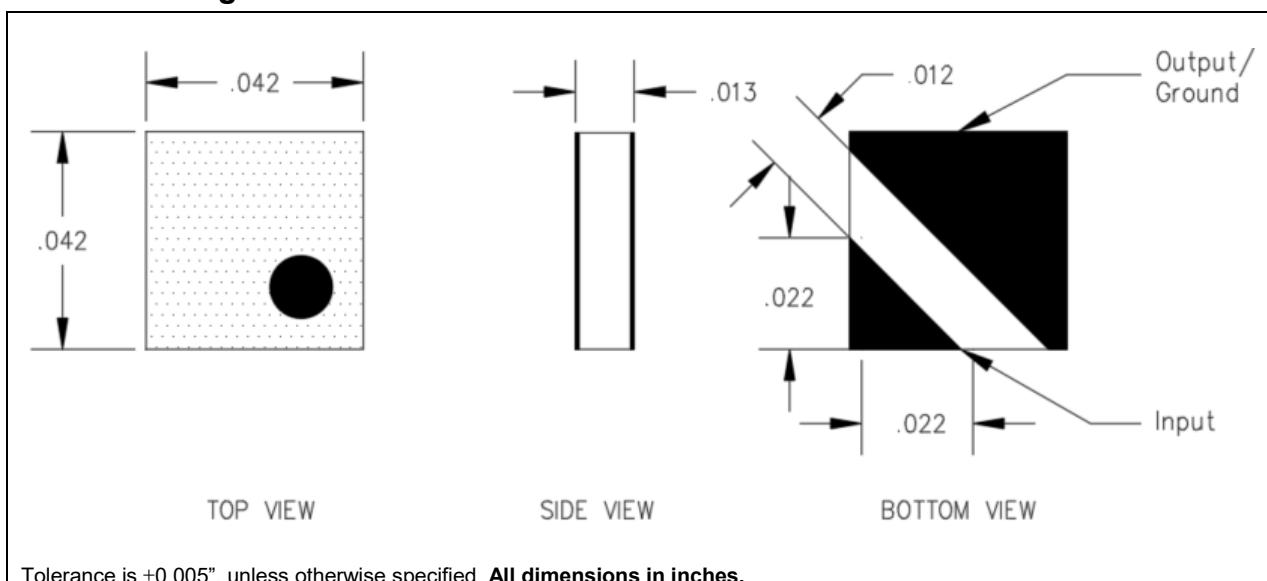
Resistive Element	Thick film
Substrate	Al <sub>2</sub> O <sub>3</sub> Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +150°C (see de-rating chart)

### Electrical Specifications:

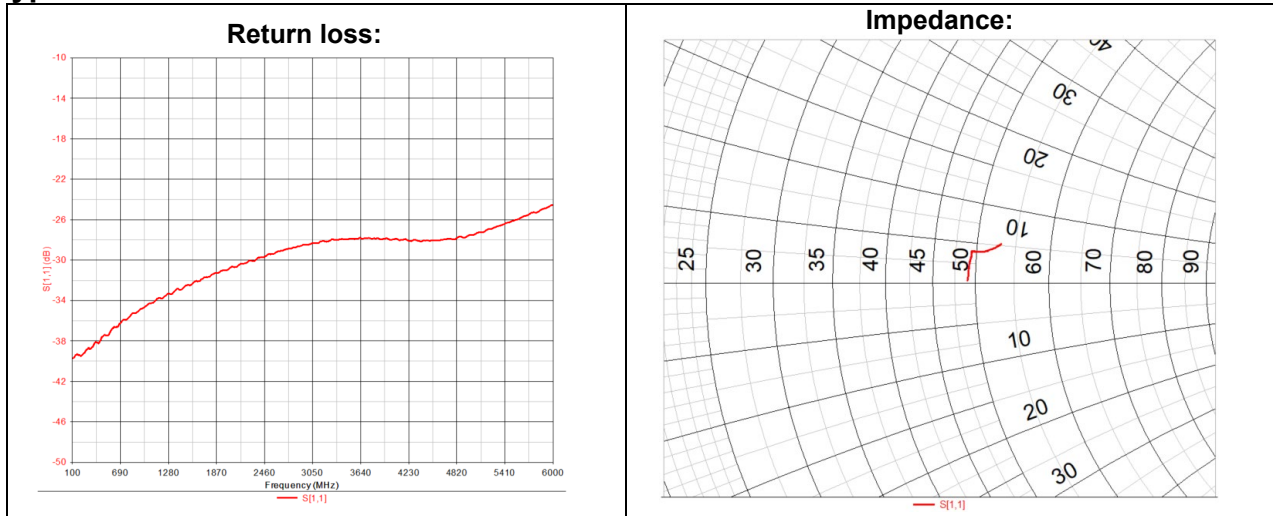
Impedance:	50 Ohms
Power:	1 Watt (avg)
Max Frequency:	DC-6.0 GHz
Return Loss:	>20 dB

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

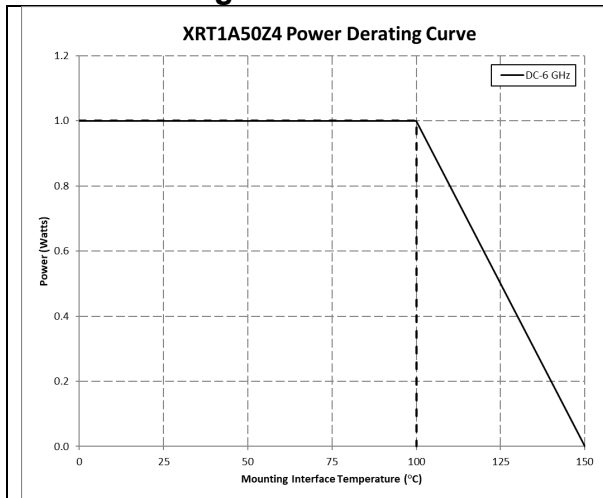
### Outline Drawing:



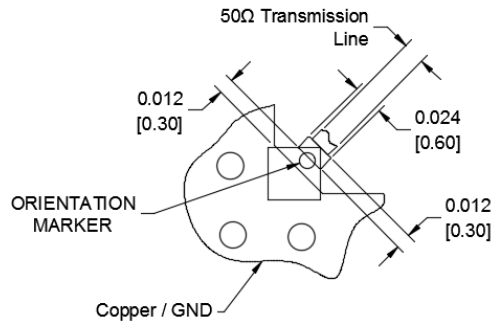
## Typical Performance:



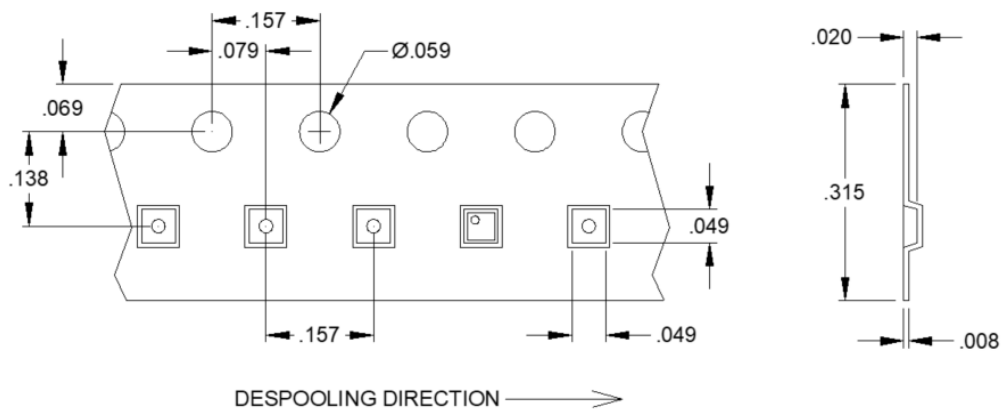
## Power de-rating:



## Mounting Footprint



## Tape & Reel:



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