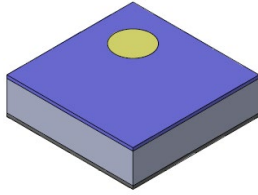


Surface Mount RF Termination
1 Watt, 50Ω



Features:

- RoHS Compliant
- 1 Watt (avg)
- Al₂O₃ 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 (Al₂O₃) 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:

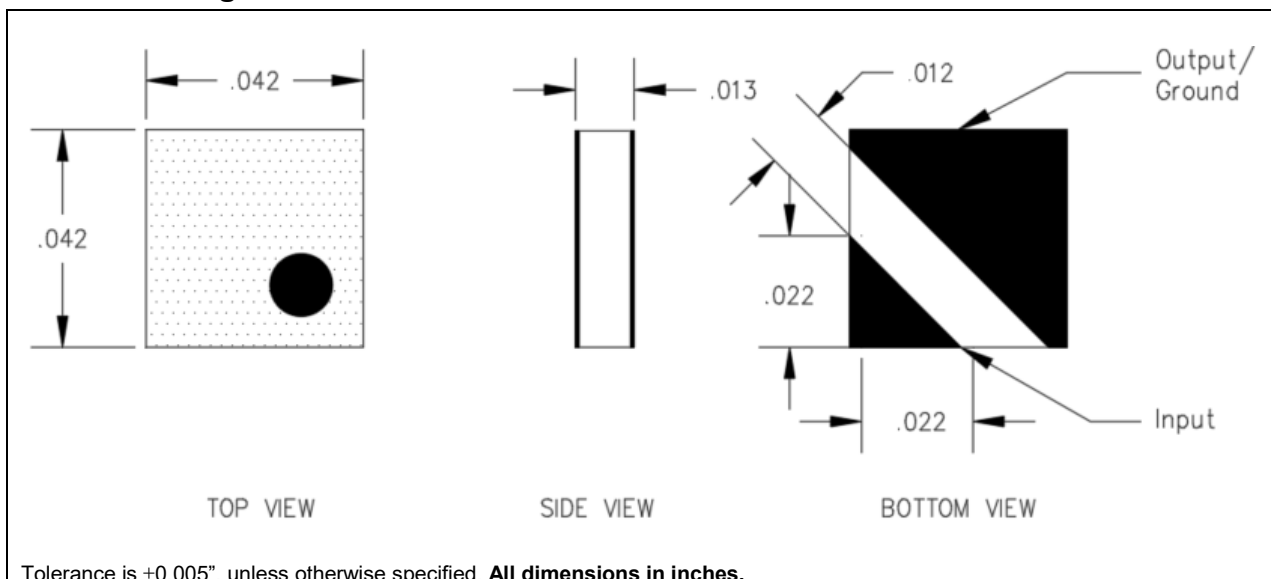
Resistive Element	Thick film
Substrate	Al ₂ O ₃ Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +150°C (see de-rating chart)

Electrical Specifications:

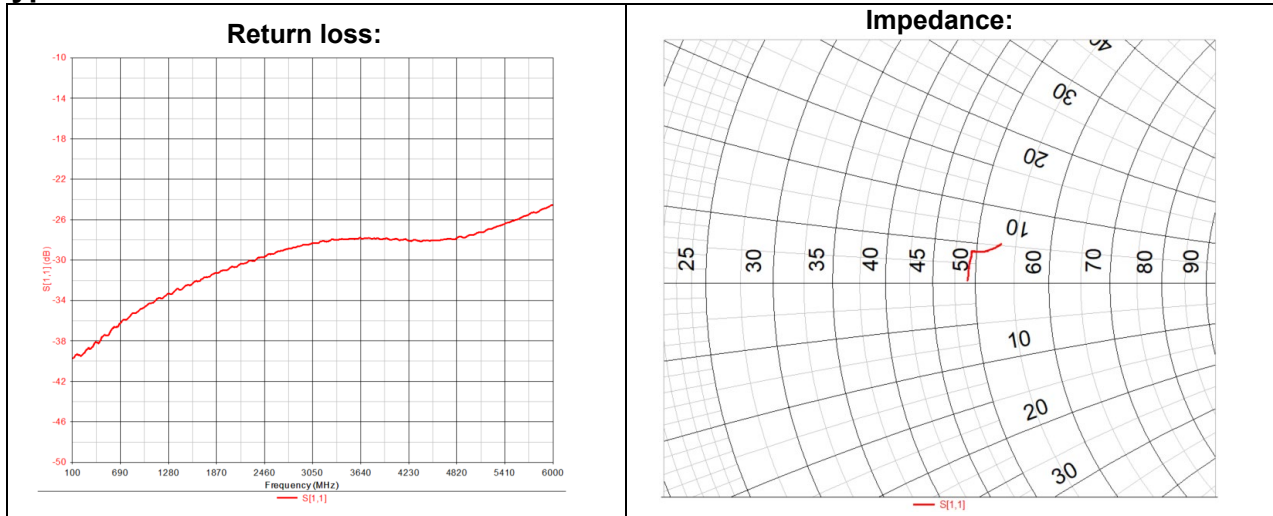
Impedance:	50 Ohms
Power:	1 Watt (avg)
Max Frequency:	DC-6.0 GHz
Return Loss:	>20 dB

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

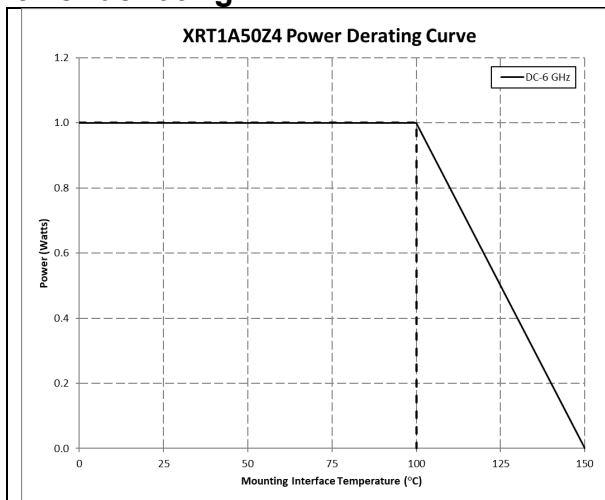
Outline Drawing:



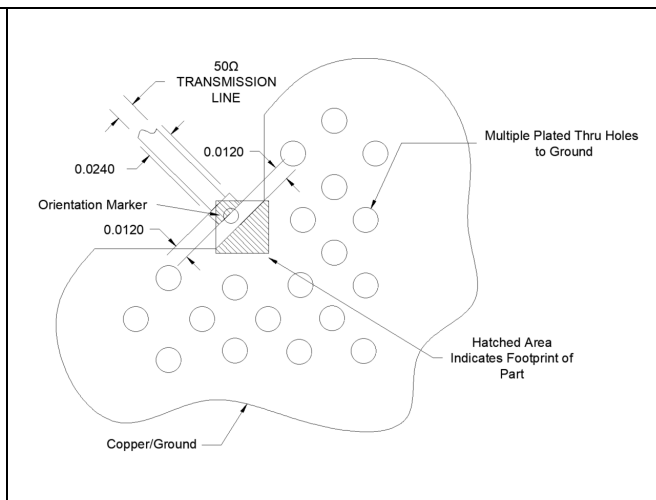
Typical Performance:



Power de-rating:



Mounting Footprint



Packaging and Ordering Information:

Parts are available in reel and are packaged per EIA 481. Parts are oriented in tape and reel as shown below. Minimum order quantities are 4000 per reel.

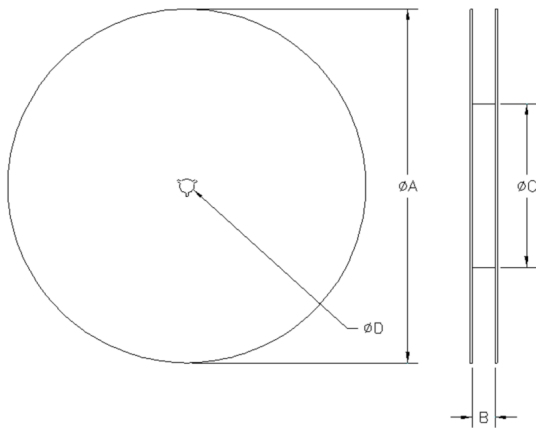
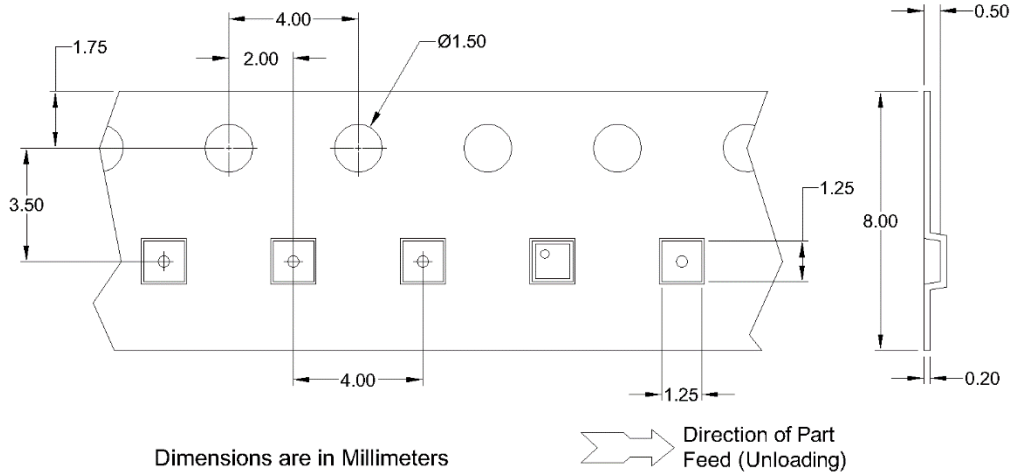


TABLE 1	
REEL DIMENSIONS (mm)	
$\varnothing A$	177.8
B	8.0
$\varnothing C$	50.8
$\varnothing D$	13.0