Surface Mount Termination
50 Watts, 50Ω



Features:

- **RoHS Compliant**
- **50 Watts**
- **DC – 2.7 GHz**
- **Al2O3 Ceramic**
- **Non-Nichrome Resistive Element**
- **Low VSWR**
- **100% Tested**
- **Small Size**

Description:

The C50A50Z4 is high performance Alumina (Al203) surface mount termination intended as a low cost alternative to Aluminum Oxide (AIN). 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 high power 90 degree couplers, and for use in microstrip circuits. The termination is also RoHS compliant!

General Specifications:

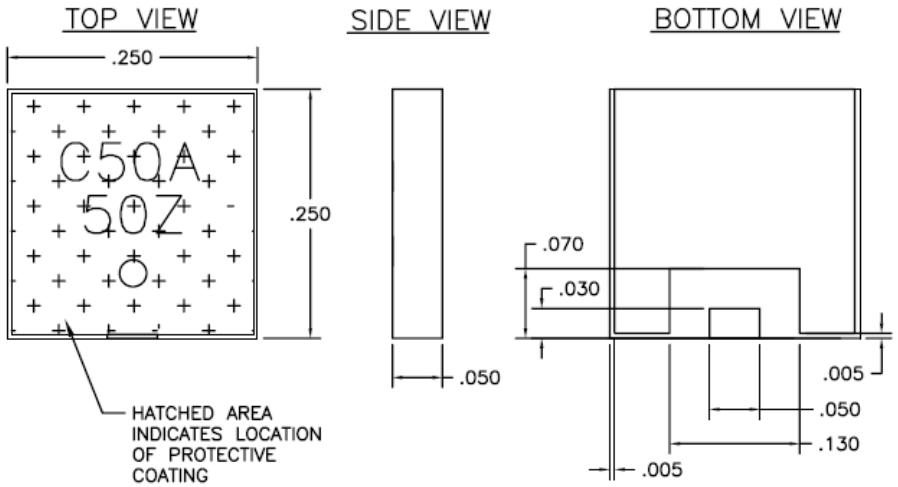
Resistive Element	Thick film
Substrate	Al_2O_3 Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +125°C (see de rating chart)

Electrical Specifications:

Resistance Value:	50 Ohms, ± 2%
Power:	50 Watts
Frequency Range:	DC – 2.7 GHz
Return Loss	> 26 dB to 2.2 GHz > 24 dB to 2.7 GHz

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

Outline Drawing:

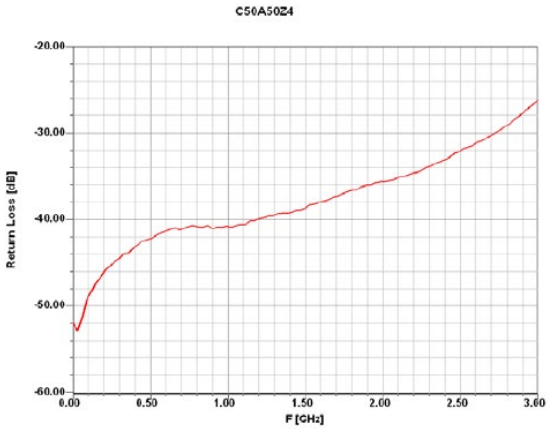


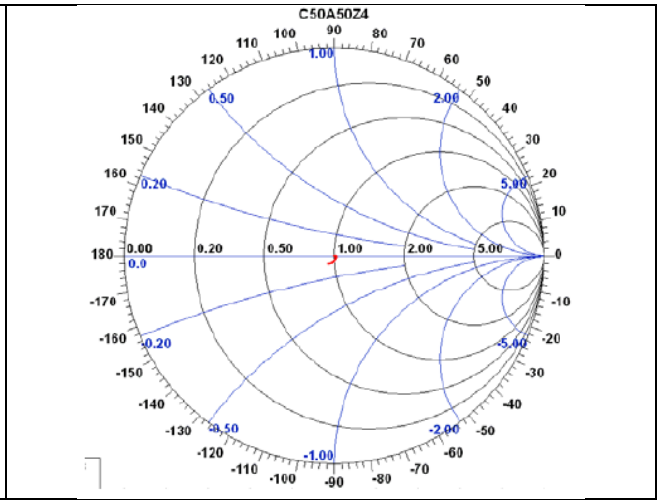
Tolerance is ±0.010", unless otherwise specified. **All dimensions in inches.**

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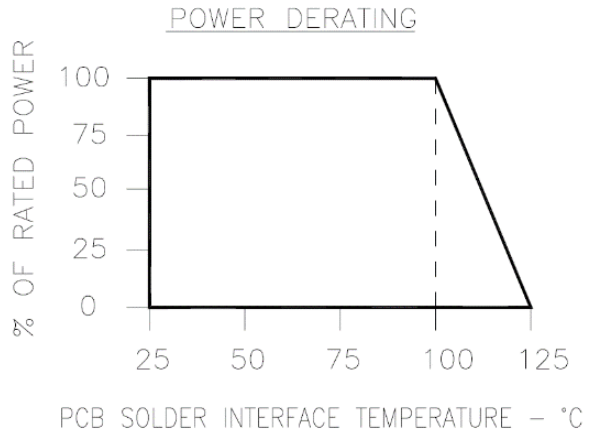
Typical Performance:

Return loss:



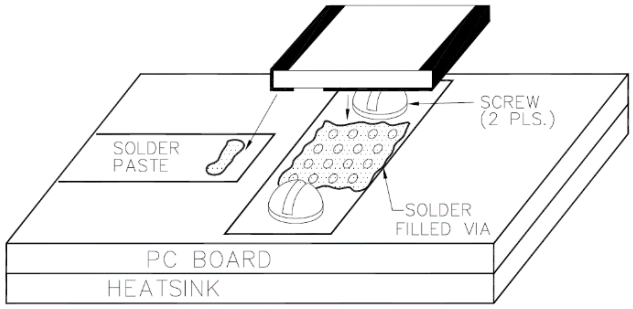


Power de-rating:



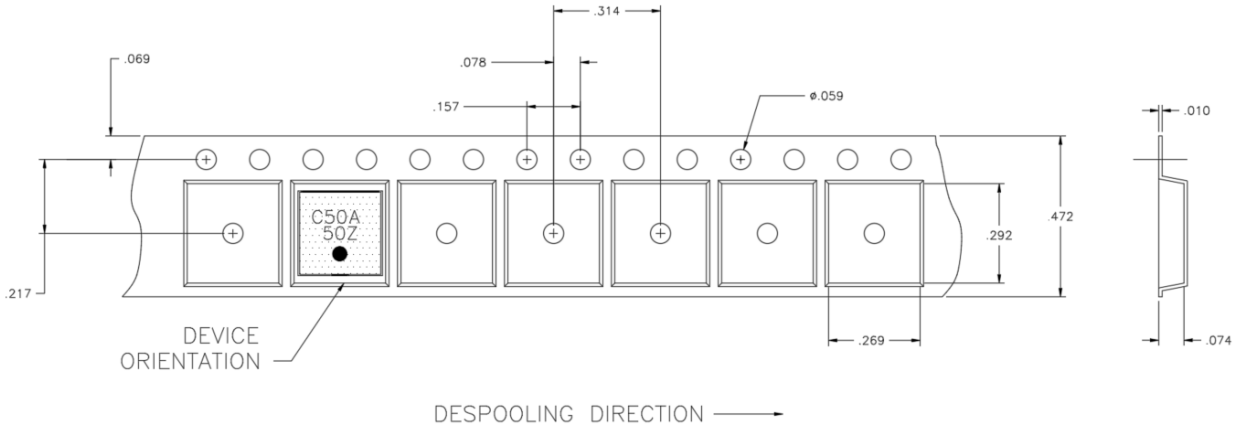
***Actual performance could be limited by the solder properties of the application**

Mounting Footprint:



MOUNTING PROCEDURE

Tape & Reel:



Contact us:
rf&s_support@ttm.com

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