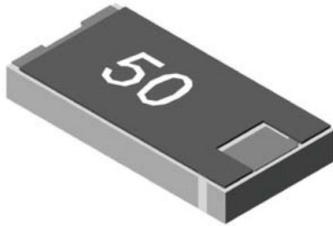


Chip Termination
16 Watts, 50Ω



Features:

- RoHS Compliant
- 16 Watts
- DC – 4.0 GHz
- Al₃O₃ Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

Description:

The A16A50X4 is high performance Alumina (Al₂O₃) chip termination intended as a low cost alternative to Beryllium Oxide (BeO) and Aluminum Nitride (AlN). The termination is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS. The medium power handling makes the part ideal for terminating circulators and for use in power combiners. The termination is also RoHS compliant!

General Specifications:

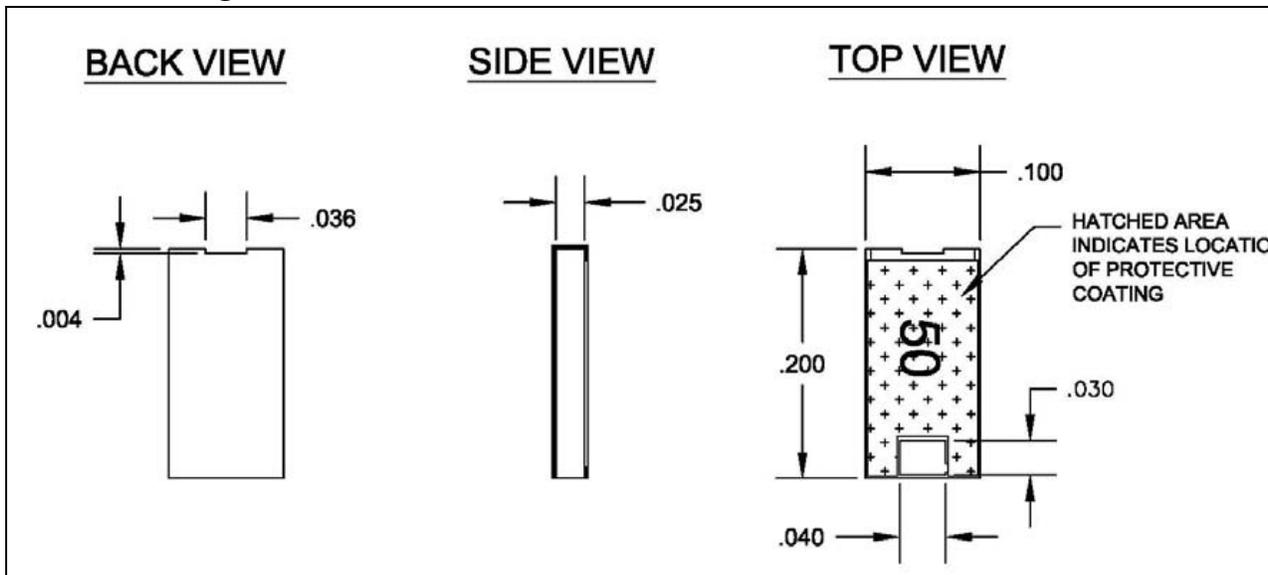
<i>Resistive Element</i>	<i>Thick film</i>
<i>Substrate</i>	<i>Al₃O₃ Ceramic</i>
<i>Terminal Finish</i>	<i>Matte Tin over Nickel Barrier</i>
<i>Operating Temperature</i>	<i>-55 to +150° C (see de-rating chart)</i>

Electrical Specifications:

Resistance Value:	50 Ohms, +/- 2%
Power:	16 Watts
Frequency Range:	DC – 4.0 GHz
	>28 dB to 2.2 GHz
Return Loss:	>25 dB to 2.7 GHz
	>20 dB to 4.0 GHz

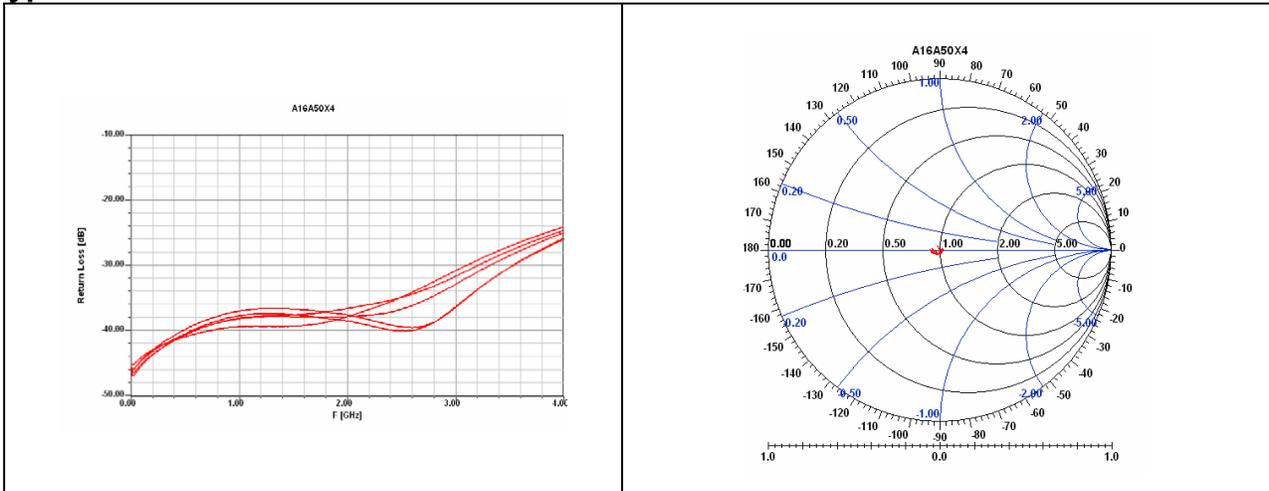
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change**

Outline Drawing:

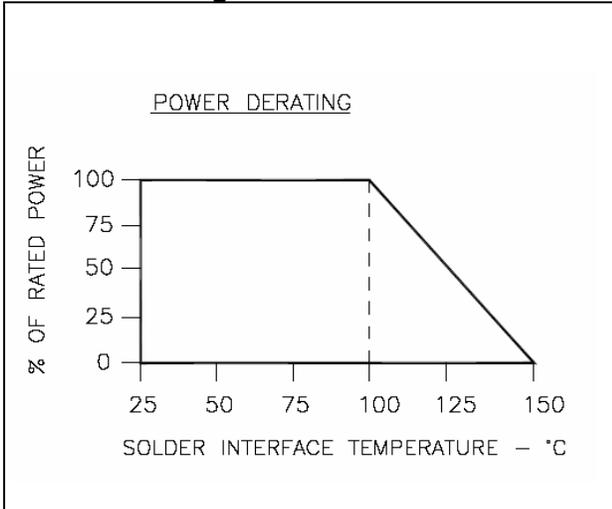


Tolerance is ±0.010", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Typical Performance:



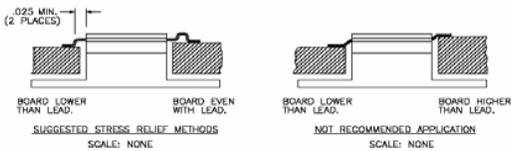
Power de-rating:



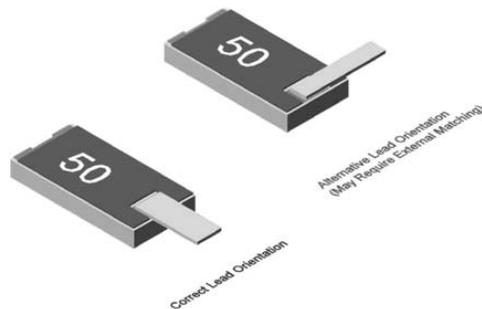
Mounting Footprint:

Available upon request.

Mounting Footprint and Procedure:



1. MAKE SURE THAT THE DEVICES ARE MOUNTED ON FLAT SURFACES (.001" UNDER THE DEVICE) TO OPTIMIZE THE HEAT TRANSFER.
2. POSITION DEVICE ON MOUNTING SURFACE AND SOLDER IN PLACE USING A LEAD FREE TYPE OR SN96 TYPE SOLDER.
3. SOLDER LEADS IN PLACE USING AN SN96 TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON (250°C).



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