

**Chip Termination**  
**15 Watts, 50Ω**



**Description:**

The A15N50X4 is high performance Aluminum Nitride Chip termination intended as a low cost alternative to BeO. The termination is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS. The termination is also RoHS compliant!

**Features:**

- RoHS Compliant
- 15 Watts
- DC – 4.5 GHz
- AIN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- Small Size

**General Specifications:**

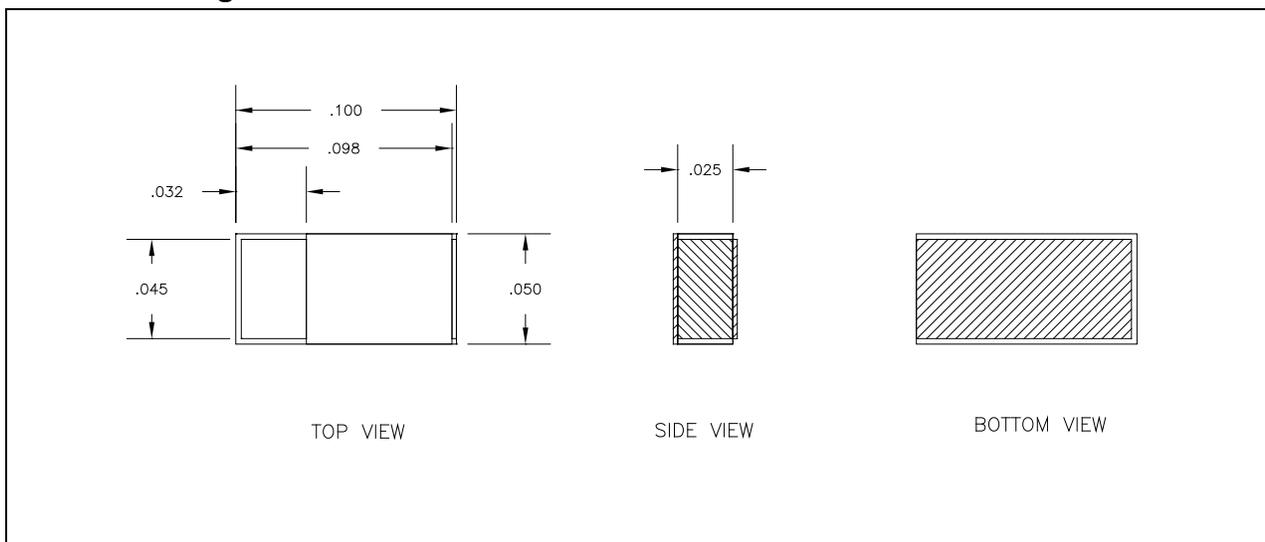
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AlN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +200°C (see de rating chart)

**Electrical Specifications:**

<b>Resistance Value:</b>	50 Ohms, ± 2%
<b>Power:</b>	15 Watts
<b>Frequency Range:</b>	DC – 4.5 GHz
<b>Return Loss</b>	>20 dB

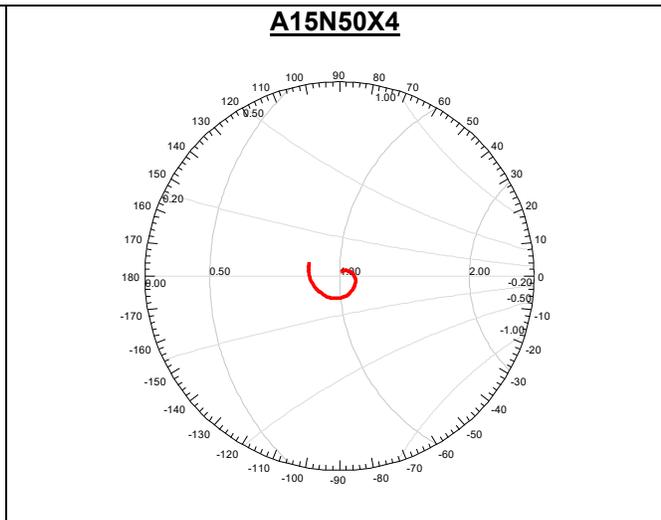
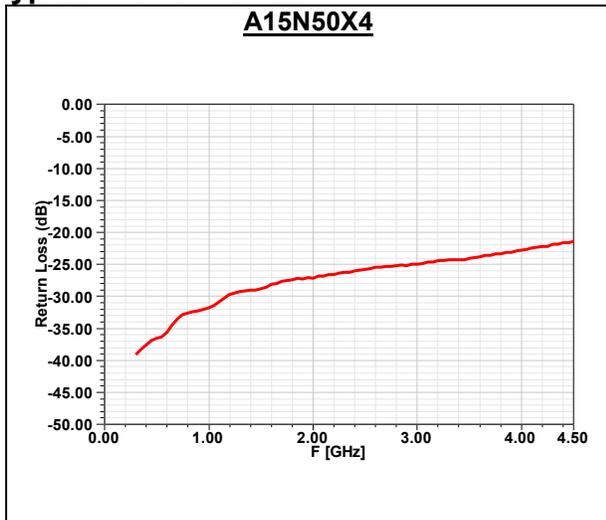
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

**Outline Drawing:**

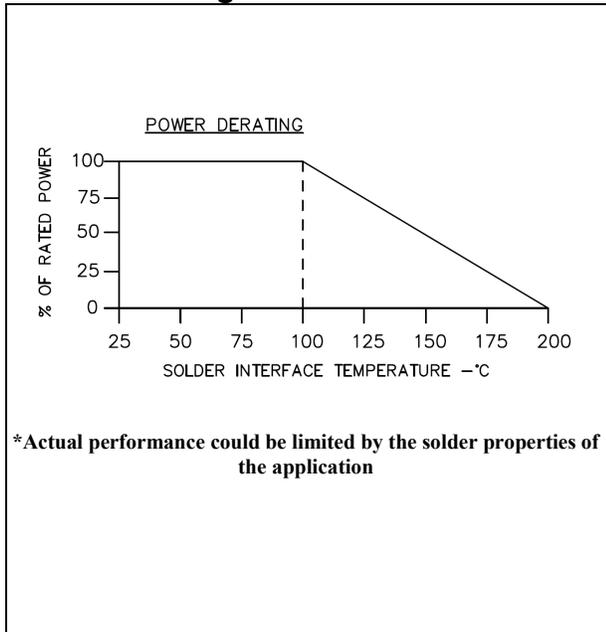


Tolerance is ±0.010", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

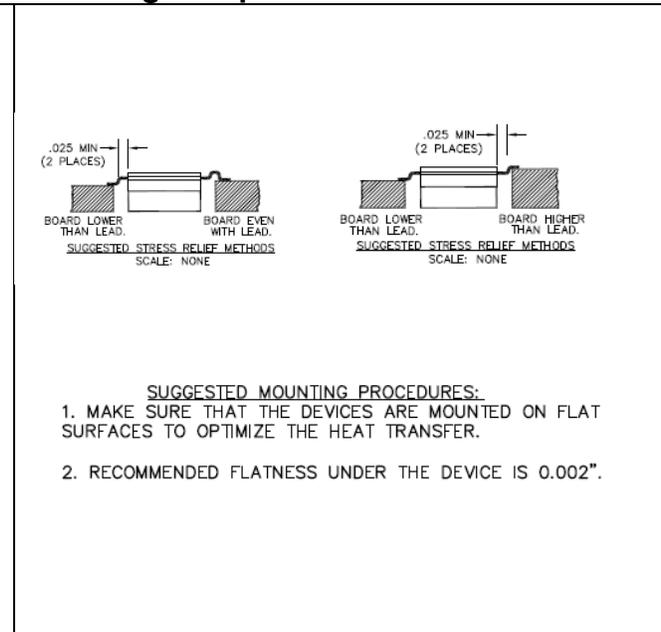
**Typical Performance:**



**Power De-rating:**



**Mounting Footprint and Procedure:**



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