imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



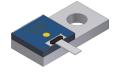
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Half Flange Termination 100 Watts, 50 Ω



Features:

- **RoHS Compliant**
- 100 Watts
- DC 4.0 GHz
- **AIN Ceramic**
- **Non-Nichrome Resistive** Element
- Low VSWR
- 100% Tested

Outline Drawing



The K100N50X4B is high performance Aluminum Nitride (AIN) half flange termination intended as a cost competitive alternative to Beryllium Oxide (BeO). 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 circulators, and for use in power combiners. The termination is also RoHS compliant!

General Specifications

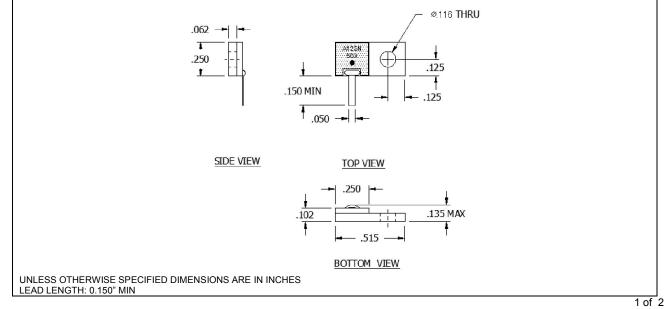
Resistive Element	Thick Film
Substrate	AIN Ceramic
Mounting Flange	Copper, nickel plated per QC-N-290
Operating Temperature	-55°C to +150°C (see de rating chart)

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

Electrical Specifications

Resistance Value:	50 Ohms, ± 2%
Power:	100 Watts
Frequency Range:	DC – 4.0 GHz
Return Loss	> 26 dB to 1.3 GHz
	> 22 dB to 4.0GHz

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



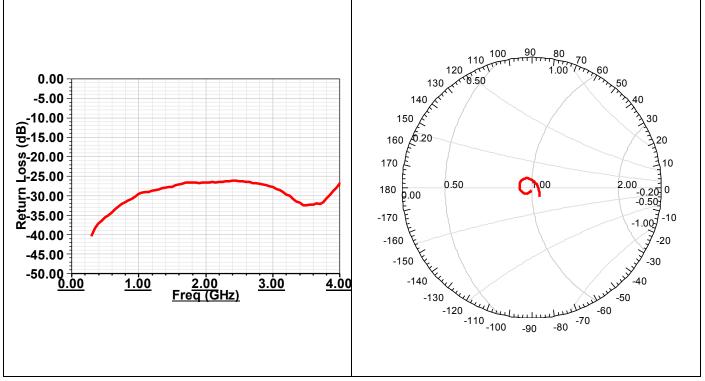


USA/Canada: Toll Free: Europe:

(315) 432-8909 (800) 544-2414 +44 2392-232392

Model K100N50X4B

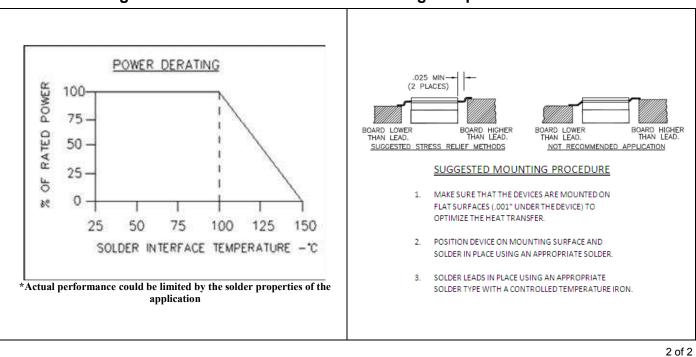
Typical Performance:



Power De-rating:



Anarei



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