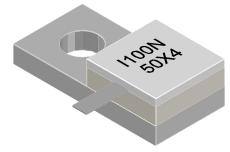


Model I100N50X4

Flange Mount Termination 100 Watts, 50Ω



Features:

- RoHS Compliant
- 100 Watts
- DC 3.0 GHz
- AIN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

Outline Drawing

Description

ROHS Compliant

The I100N50X4 is high performance Aluminum Nitride (AIN) flange mount 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

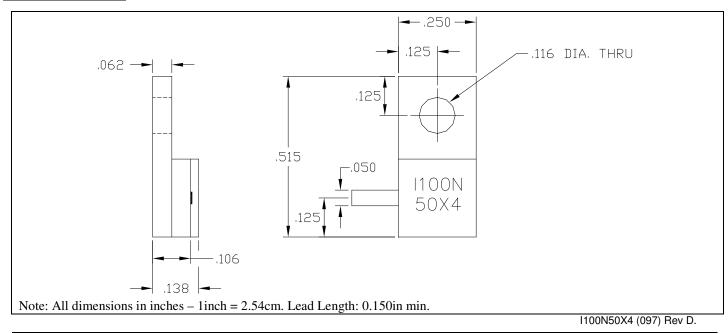
Resistive Element	Thick Film	
Substrate	AIN Ceramic	
Cover	Alumina Ceramic	
Telerance is $\pm 0.010^{\circ}$ upless otherwise specified. Designed to most of exceed		

Tolerance is $\pm 0.010^\circ$, unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. All dimensions in inches.

Electrical Specifications

Resistance Value:	50 Ohms, ± 2%
Power:	100 Watts
Frequency Range:	DC – 3.0GHz
V.S.W.R.	1.25 : 1

Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. Storage temperature is -20 °C to 85 °C. Operating temperature is -55°C to 125°C (see chart for derating temperatures). **Specifications subject to change with out notice.**





USA/Canada: Toll Free: Europe:

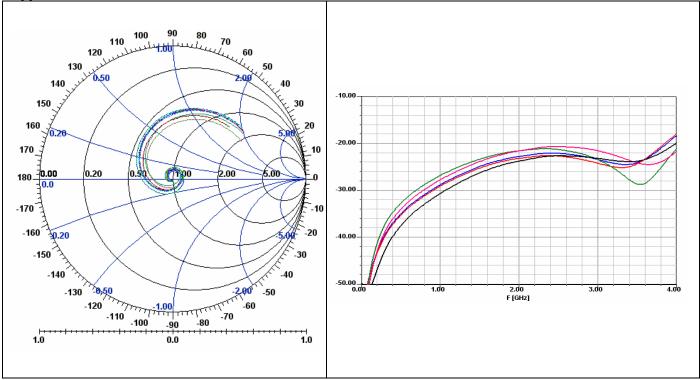
(315) 432-8909 (800) 544-2414 +44 2392-232392

Model I100N50X4

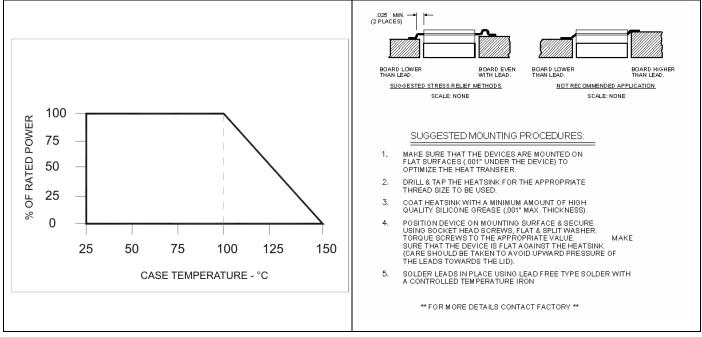




Typical Performance:



Power De-rating:



I100N50X4 (097) Rev D.

USA/Canada: Toll Free: Europe:

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



Mounting Footprint and Procedure: