



## Features:

- **RoHS Compliant**
- 150 Watts
- DC 2.7 GHz
- **AIN Ceramic**
- **Non-Nichrome Resistive** Element
- Low VSWR
- 100% Tested

#### **Outline Drawing**

# **Description**

The G150N50W4B 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**

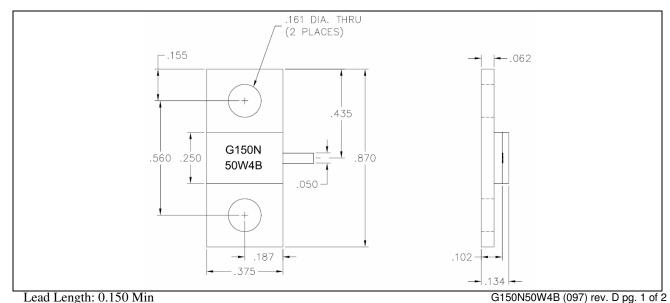
Resistive Element	Thick Film	
Substrate	AIN Ceramic	
Cover	Alumina Ceramic	
Mounting Flange	Nickel Plated Copper	
Tolerance is ±0.010", unless otherwise specified. Designed to meet of exceed		

applicable portions of MIL-E-5400. All dimensions in inches.

# **Electrical Specifications**

Resistance Value:	50 Ohms, ± 2%
Power:	150 Watts
Frequency Range:	DC – 2.7 GHz
Return Loss	> 25 dB to 2.0 GHz
	> 20 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.





USA/Canada: Toll Free: Europe:

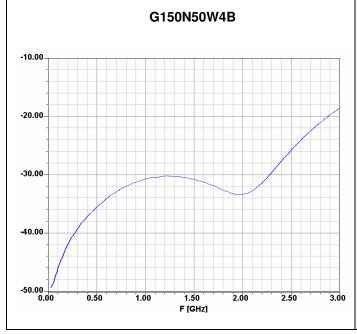
(315) 432-8909 (800) 544-2414 +44 2392-232392

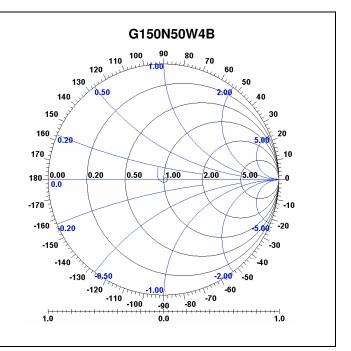
# Model G150N50W4B



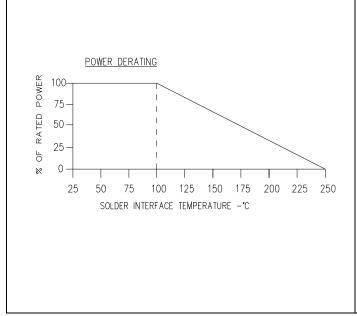
**RF Power** 

## **Typical Performance:**

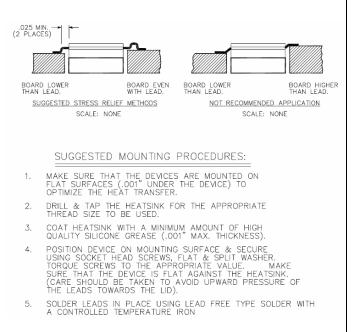




#### **Power De-rating:**



# **Mounting Footprint and Procedure:**



G150N50W4B (097) rev. D pg. 2 of 2

USA/Canada: Toll Free: Europe:

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

