

# Chip Termination 150 Watts, 50Ω



#### Features:

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

#### **Outline Drawing**

#### **Description**

The A150N50X4C is high performance Aluminum Nitride (AIN) chip termination intended as a cost competitive alternative to Beryllium Oxide (BeO). It 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
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +150°C (see de rating chart)
Tolerance is $\pm 0.010^{\circ}$ upless otherwise specified. Designed to meet or exceed	

Tolerance is  $\pm 0.010^{\circ}$ , 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:	150 Watts
Frequency Range:	DC – 3.0 GHz
Return Loss	>26dB
Specification based on unit properly installed using suggested mounting instructions	

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





## Model A150N50X4C



### **Typical Performance:**



USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 Europe: +44 2392-232392

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