

## Model RFP-250250N6X50-2

## RF Power

# **Aluminum Nitride Terminations**

40 Watts, 50  $\Omega$ 



#### **Features**

- DC − 2.5 GHz
- 40 Watts
- Aluminum Nitride (AIN) Ceramic
- Terminal for Lead Attachment
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

#### **General Specifications**

Resistive Element: Thick film

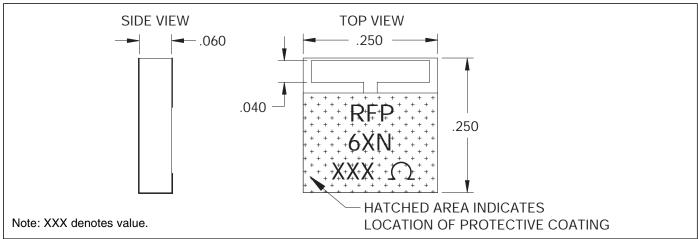
Substrate: Aluminum nitride ceramic
Terminals: Tin/Lead, 90/10 over nickel

#### **Electrical Specifications**

Resistance Value:50 ohms,  $\pm 2\%$ Frequency Range:DC - 2.5 GHzPower:40 WattsV.S.W.R.:1.30:1

**Notes:** Tolerance is  $\pm$ .010, unless otherwise specified. Operating temperature is -55°C to +150°C (see chart). Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions are in inches. **Specifications subject to change without notice.** 

#### **Outline Drawing**



VER. 12/5/01



Available on Tape and Reel for Pick and Place Manufacturing.

Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121 Sales Desk Europe: Voice: (+44) 23 92 232392 Fax: (+44) 23 92 251369

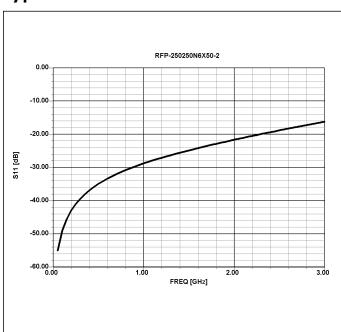


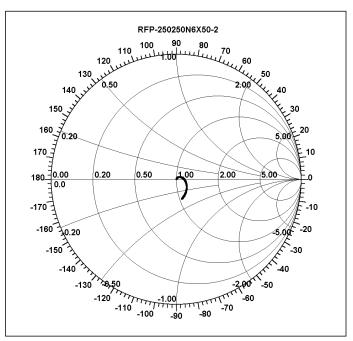
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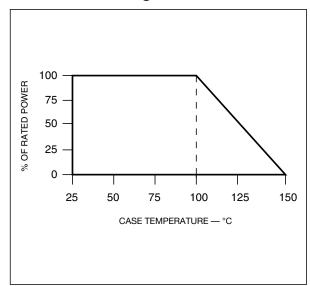


#### **Typical Performance**

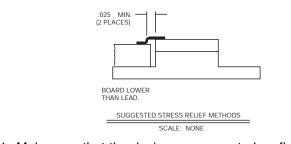




#### **Power Derating**



### **Suggested Mounting Procedures**



- Make sure that the devices are mounted on flat surfaces (.001" under the device) to optimize the heat transfer.
- 2. Position device on mounting surface and solder in place using an SN96 type solder.
- 3. Solder leads in place using an SN63 type solder with a controlled temperature iron (700°F).





