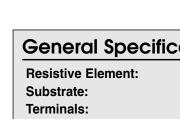


# Model RFP-250250N6X50-2

# F 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**

Thick film

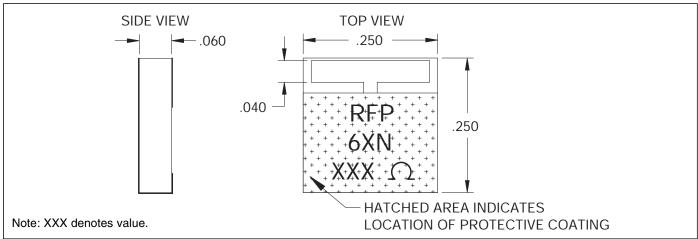
Aluminum nitride ceramic Tin/Lead, 90/10 over nickel

#### **Electrical Specifications**

**Resistance Value:** 50 ohms, ±2% DC - 2.5 GHz **Frequency Range:** Power: 40 Watts V.S.W.R.: 1.30:1

Notes: Tolerance is ±.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

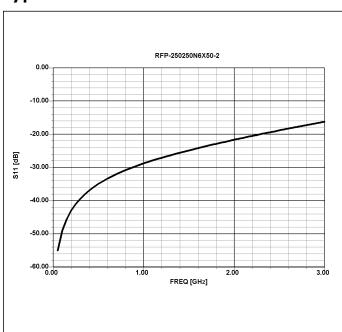


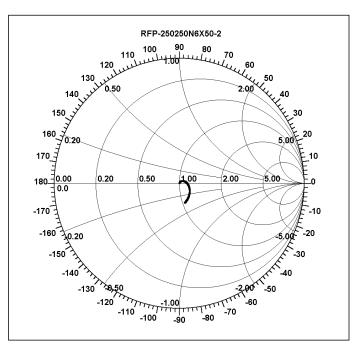
# Model RFP-250250N6X50-2



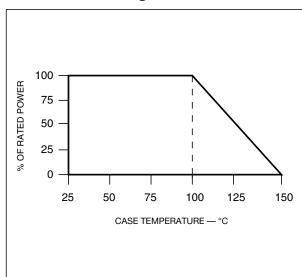


## **Typical Performance**

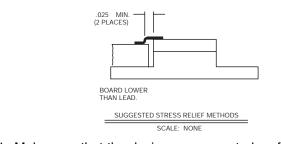




#### **Power Derating**



## **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).





