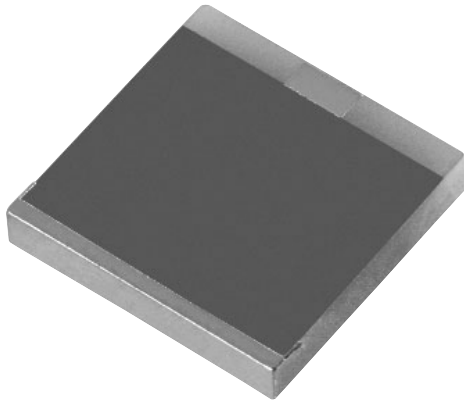


## Aluminum Nitride Terminations

200 Watts, 50 Ω



### Features

- DC – 2.5 GHz
- 200 Watts
- Aluminum Nitride (AlN) 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

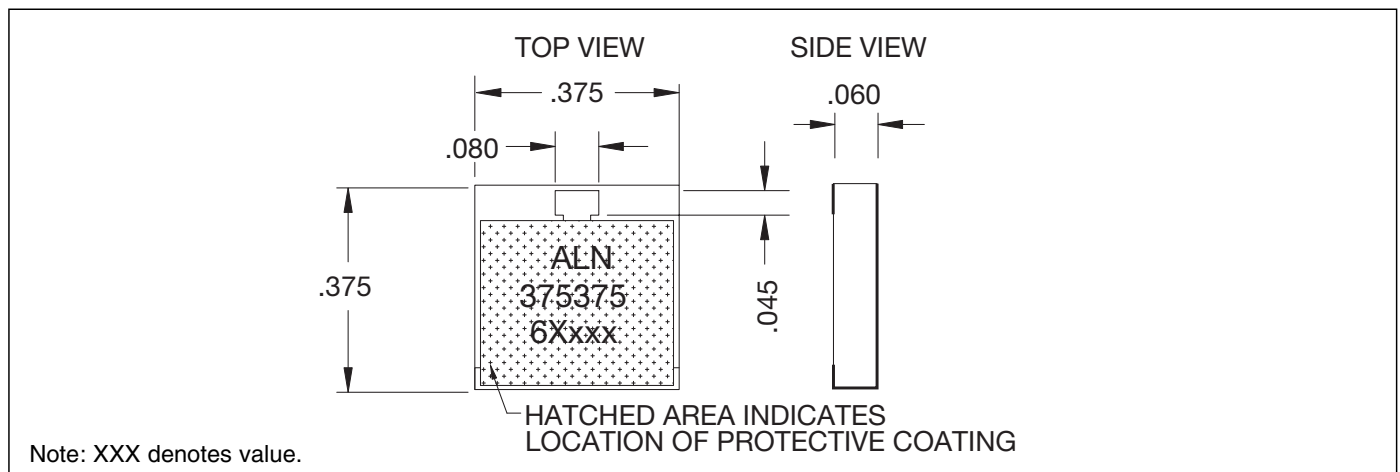
### Electrical Specifications

Resistance Value:	50 ohms, ±2%
Frequency Range:	DC - 2.5 GHz
Power:	200 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.

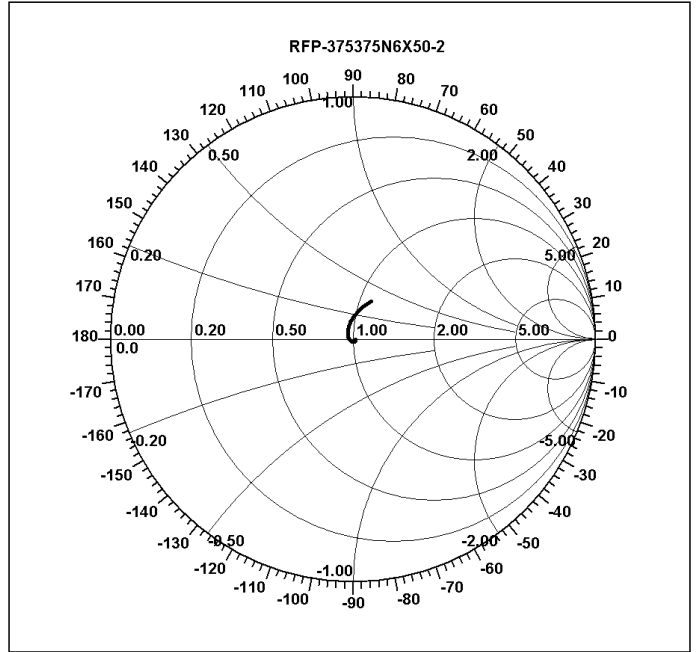
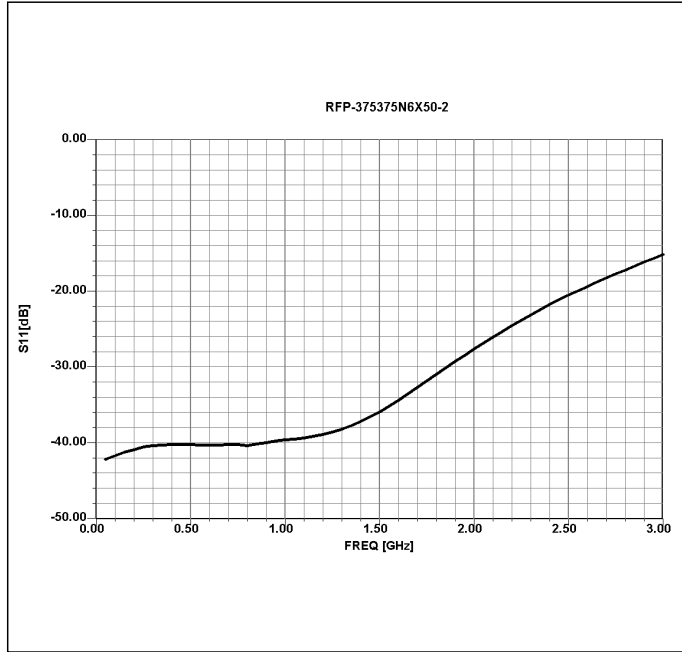
Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121  
Sales Desk Europe: Voice: (+44) 23 92 232392 Fax: (+44) 23 92 251369

# Model RFP-375375N6X50-2

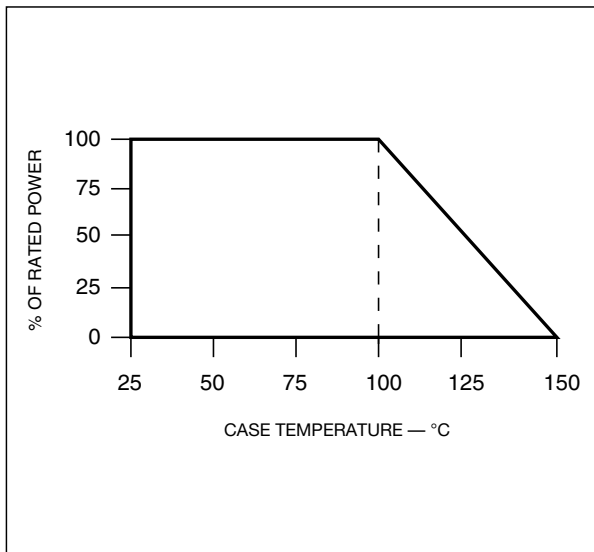


**RF Power**

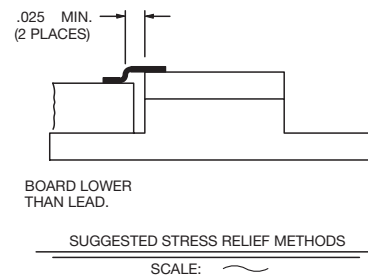
## Typical Performance



## Power Derating



## Suggested Mounting Procedures



1. 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).

Available on Tape and Reel for Pick and Place Manufacturing.

