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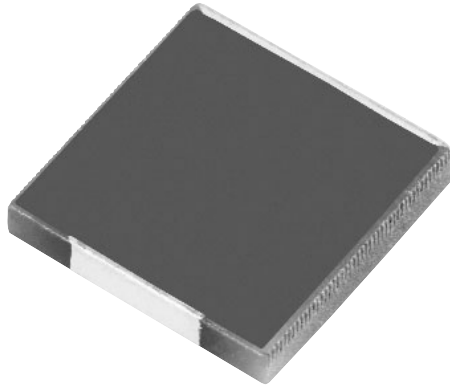
RF Power

Model RFP-375375N6Z50-2

Aluminum Nitride Terminations

30 Watts, 50 Ω

Aluminum Nitride SMD Terminations



Features

- DC – 2.0 GHz
- 30 Watts
- Aluminum Nitride (AlN) Ceramic
- Surface Mountable
- 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 |

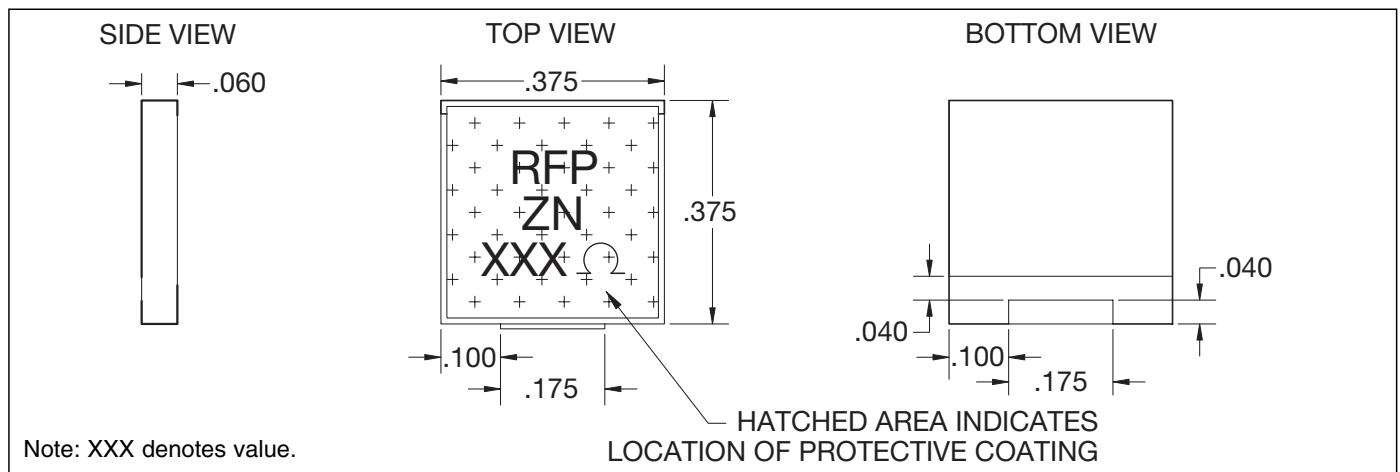
Electrical Specifications

| | |
|-------------------|--------------|
| Resistance Value: | 50 ohms, ±2% |
| Frequency Range: | DC - 2.0 GHz |
| Power: | 30 Watts |
| V.S.W.R.: | 1.25:1 |

Notes: Tolerance is ±.010, unless otherwise specified. Operating temperature is -55°C to +125°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

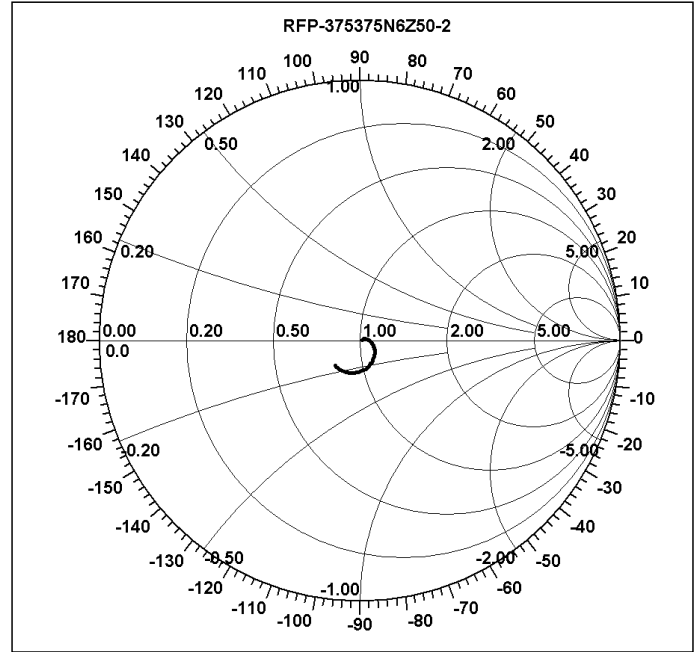
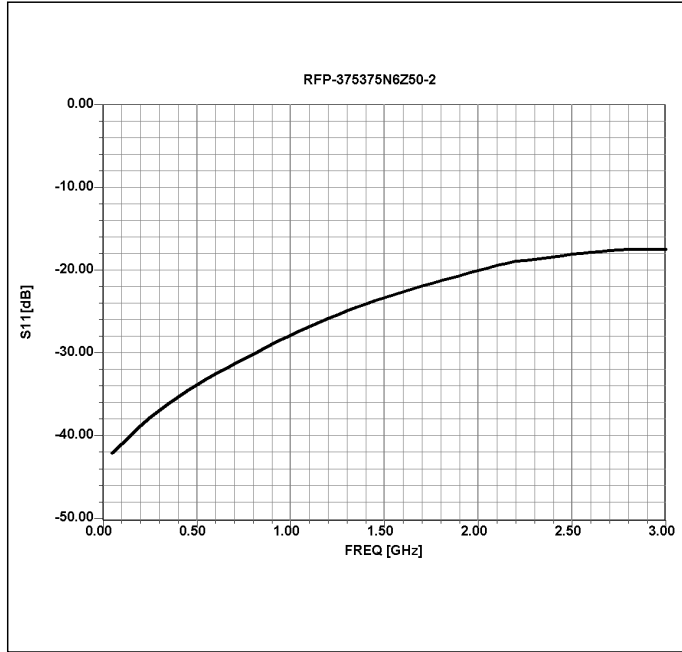
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What'll we think of next?™

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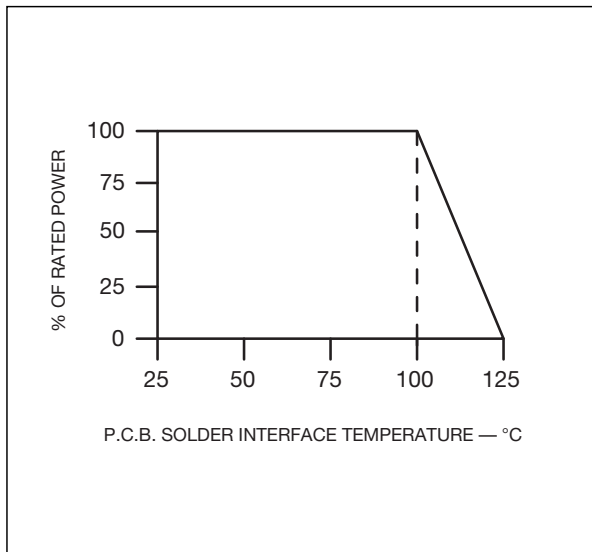


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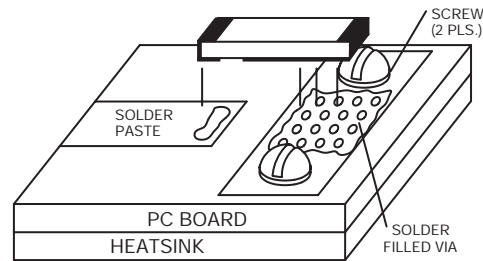
Typical Performance



Power Derating



Suggested Mounting Procedures



1. Solder part in place using 60/40 type solder with controlled temperature iron (700°F).
2. Drill thermal via through PCB and fill with solder, such as 60/40 type.
3. To ensure good thermal connectivity to heat sink, drill and tap heatsink and mount PCB board to heat sink using screws.

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