Anaren

RF Power

Model RFP-100200N4X50-2

Aluminum Nitride Terminations

30 Watts, 50 Ω

General Specifications

Resistive Element:	Thick film
Substrate:	Aluminum nitride ceramic
Terminals:	Tin/Lead, 90/10 over nickel

Electrical Specifications

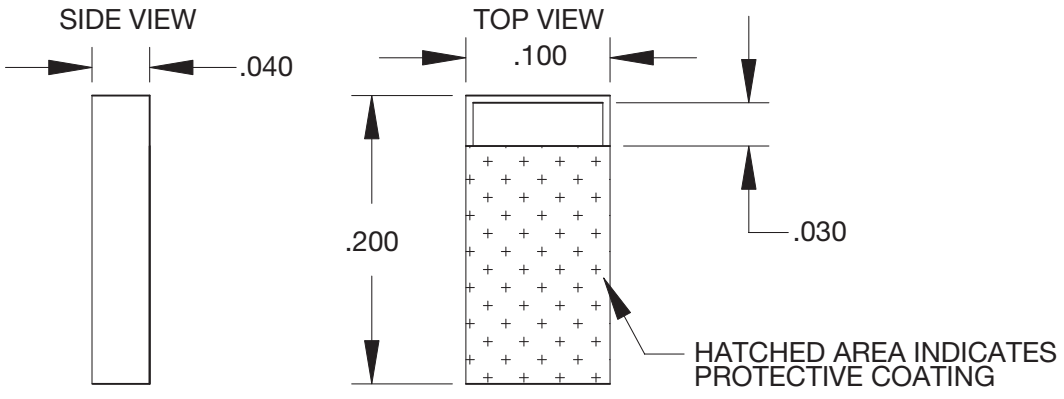
Resistance Value:	50 ohms, ±2%
Frequency Range:	DC - 3.0 GHz
Power:	30 Watts
V.S.W.R.:	1.25:1

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

Features

- DC – 3.0 GHz
- 30 Watts
- Aluminum Nitride (AIN) Ceramic
- Terminal for Lead Attachment
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

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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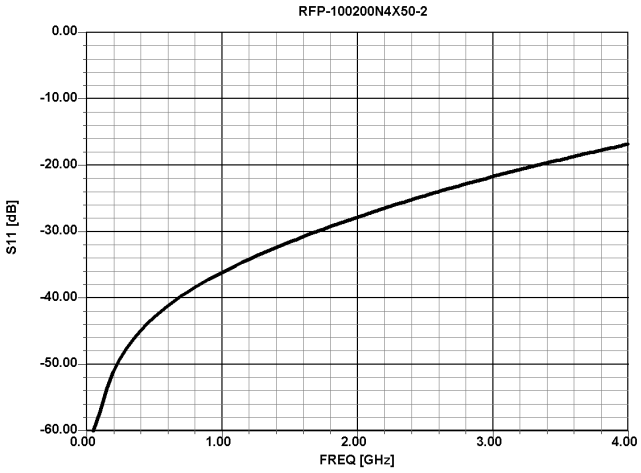
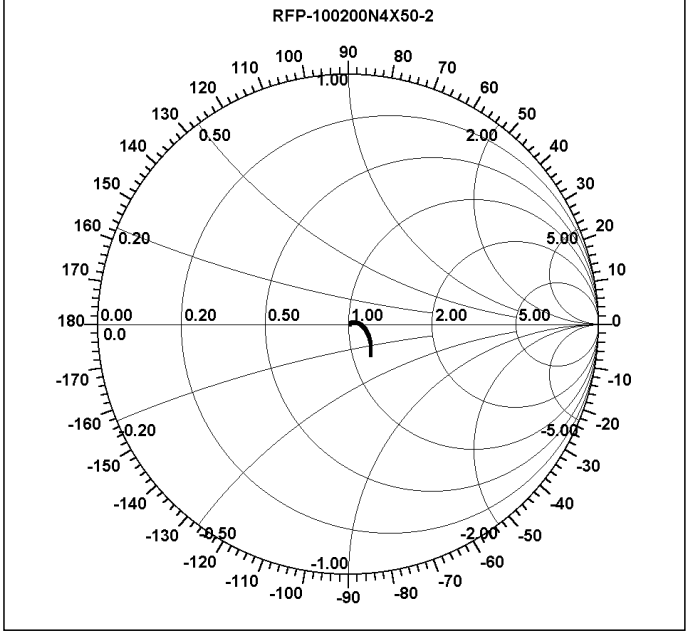
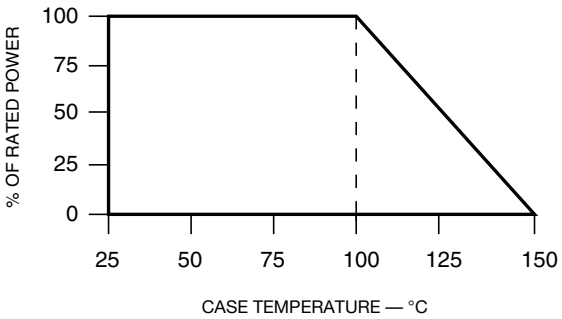
Typical Performance

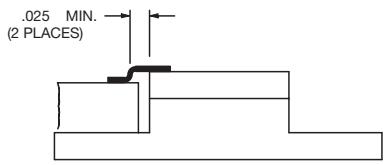




Power Derating



Suggested Mounting Procedures



SUGGESTED STRESS RELIEF METHODS

SCALE: NONE

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).

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