Anaren

RF Power

Model RFP-20N50TP

Aluminum Nitride Terminations

20 Watts, 50 Ω

Features

- DC – 4.0 GHz
- 20 Watts
- Aluminum Nitride (AlN) Ceramic
- Welded Silver Leads
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

General Specifications

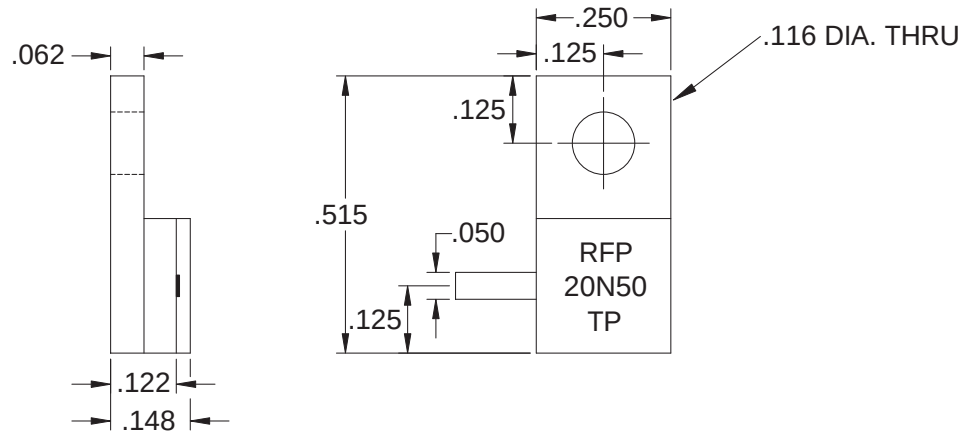
Resistive Element:	Thick film
Substrate:	Aluminum nitride ceramic
Cover:	Alumina ceramic
Mounting Flange:	Copper, nickel plated per QQ-N-290
Lead(s):	99.99% pure silver (.005" thk)

Electrical Specifications

Resistance Value:	50 ohms, ±5%
Frequency Range:	DC - 4.0 GHz
Power:	20 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. Lead length 0.15" minimum.
Specifications subject to change without notice.

Outline Drawing



VER. 12/5/01

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What'll we think of next?™

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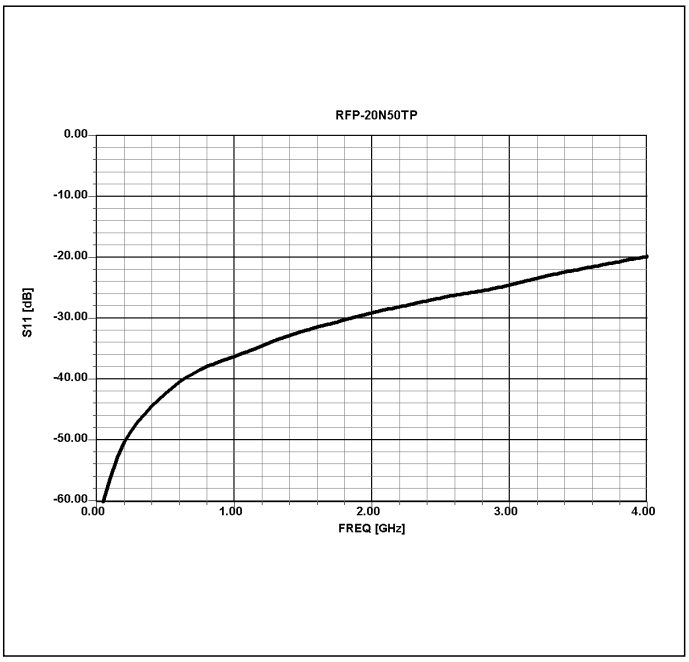
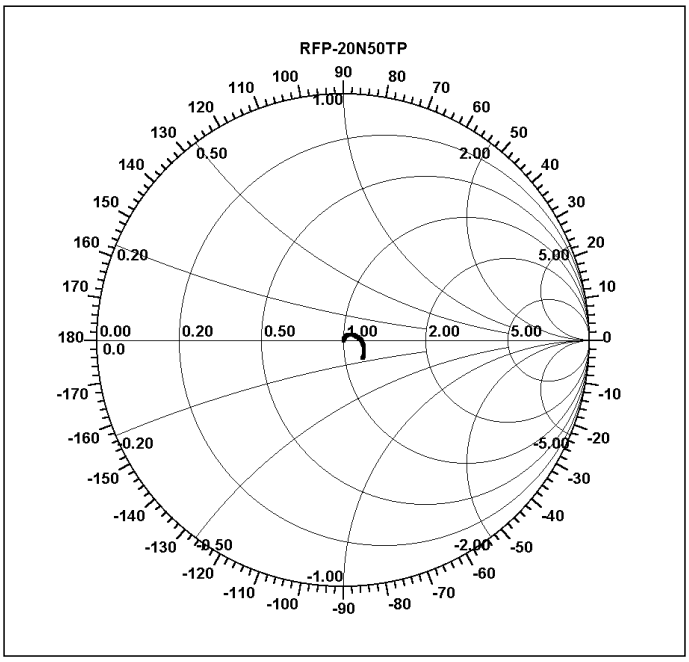
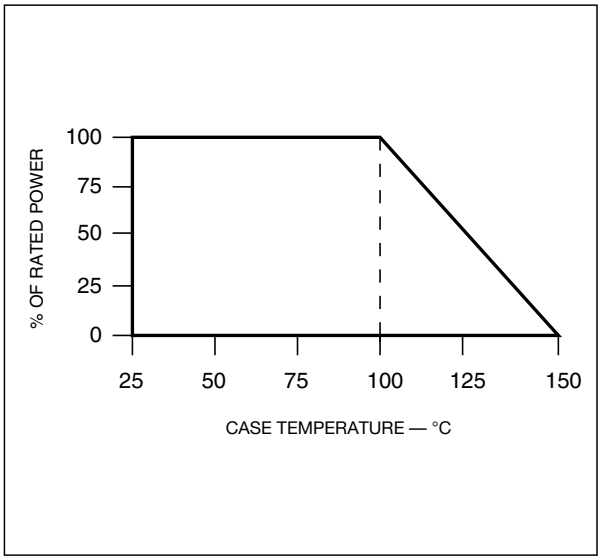
Typical Performance

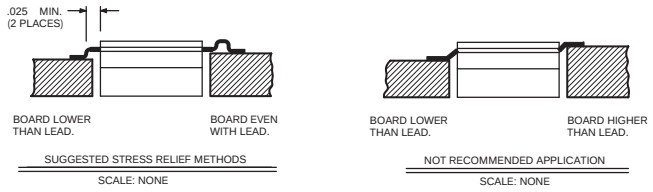




Power Derating



Suggested Mounting Procedures



1. Make sure that the devices are mounted on flat surfaces (.001" under the device) to optimize the heat transfer.
2. Drill & tap the heatsink for the appropriate thread size to be used.
3. Coat heatsink with a minimum amount of high quality silicone grease (.001" max. thickness).
4. Position device on mounting surface & secure using socket head screws, flat & split washers. Torque screws to the appropriate value. Make sure that the device is flat against the heatsink. (Care should be taken to avoid upward pressure of the leads towards the lid).
5. Solder leads in place using an SN63 type solder with a controlled temperature iron (700°F).

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