

### General Specifications

Resistive Element:	Thick film
Substrate:	Alumina ceramic
Terminals:	Thick film silver

### Electrical Specifications

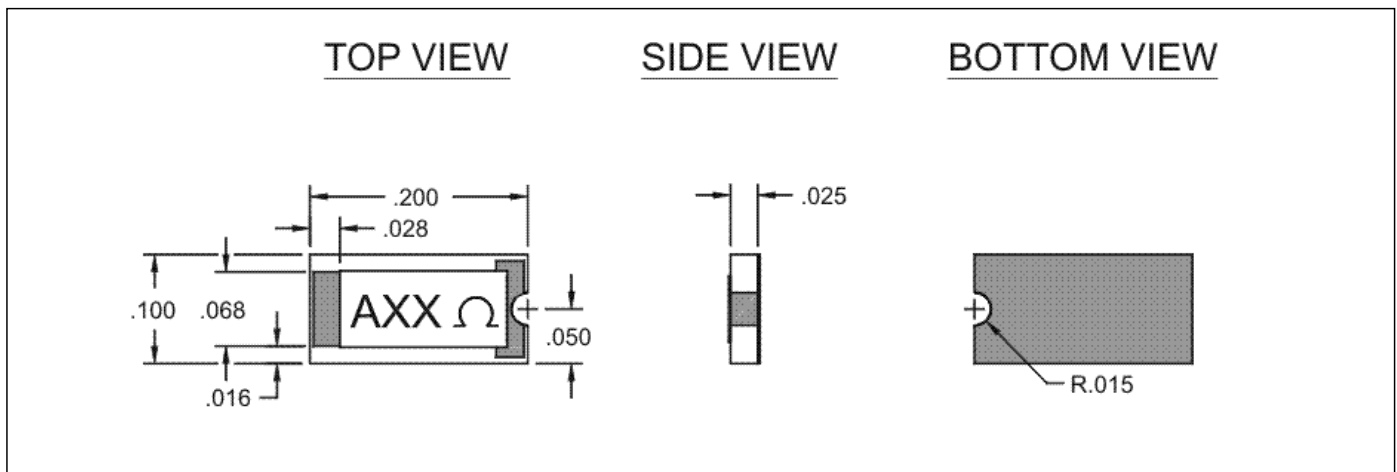
Resistance Value:	50 ohms, $\pm 2\%$
Frequency Range:	DC - 6.0 GHz
Power:	20 Watts
V.S.W.R.:	1.25:1

**Notes:** Tolerance is  $\pm 0.10$ , unless otherwise specified. Operating temperature is  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  (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 – 6.0 GHz
- 20 Watts
- Alumina Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

### Outline Drawing



VER. 1/28/02



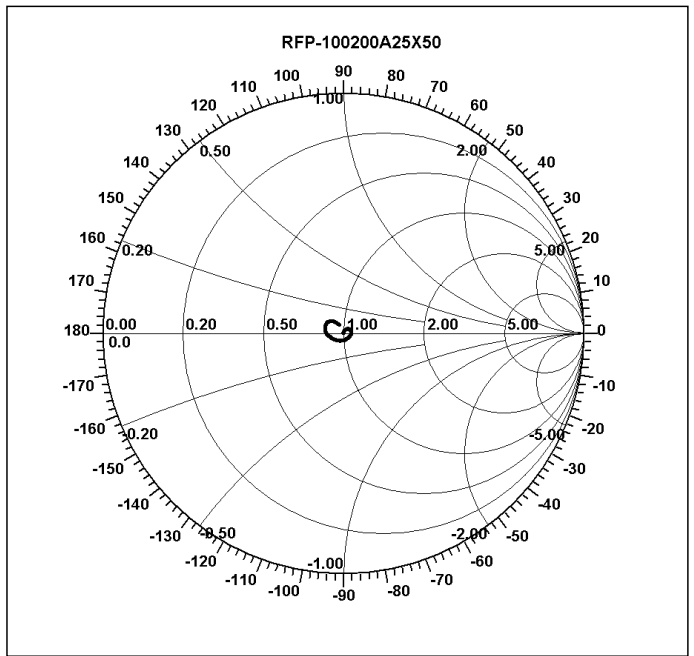
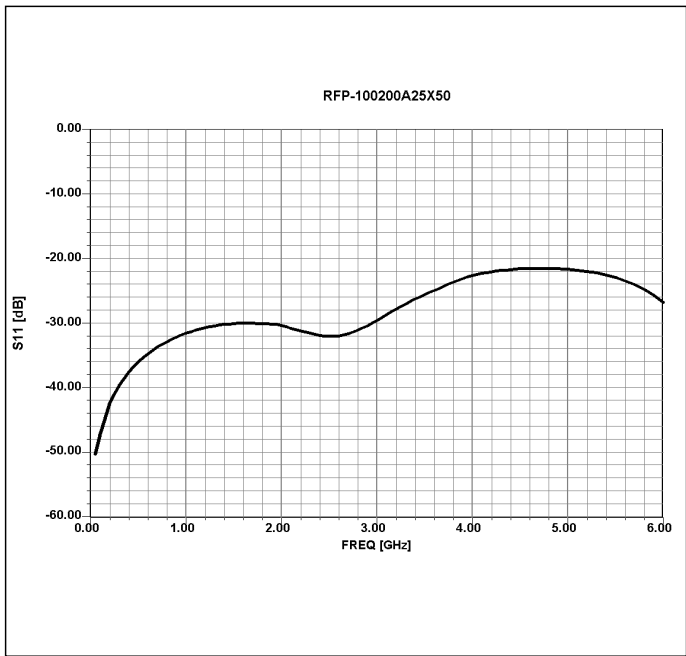
Available on Tape and Reel for Pick and Place Manufacturing.

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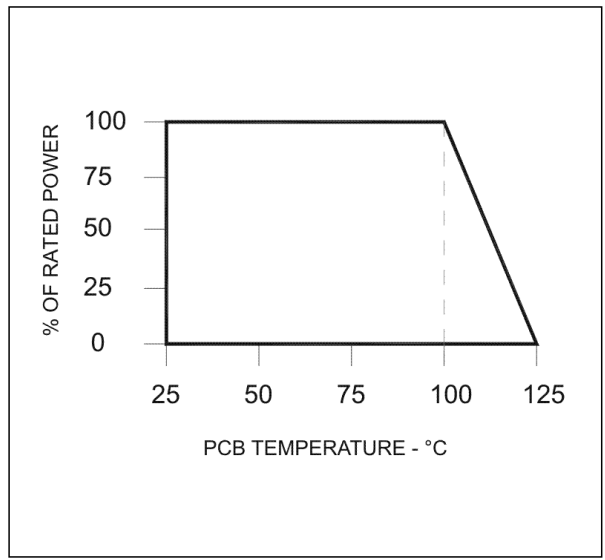
# Model RFP-100200A25X50



## 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 indalloy type or an SN63 type solder.
3. Solder leads in place using an SN63 type solder with a controlled temperature iron (210°C).

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