Model RFP-800-100R-S

RoHS Compliant

Flanged Resistor
800 Watts, 100Ω

General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide ceramic
Cover	Alumina ceramic
Mounting flange	Copper, nickel plated per QQ-N-290
Leads	99% pure silver (.005" thick)

Electrical Specifications

Resistance Range:	100 ohms, ± 5%
Frequency Range;	DC – 250 MHz
Power:	800 Watts
Capacitance:	14 pF

Tolerance is ±0.010", unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. Operating temperature is -55ºC to 155ºC (see chart for derating temperatures).

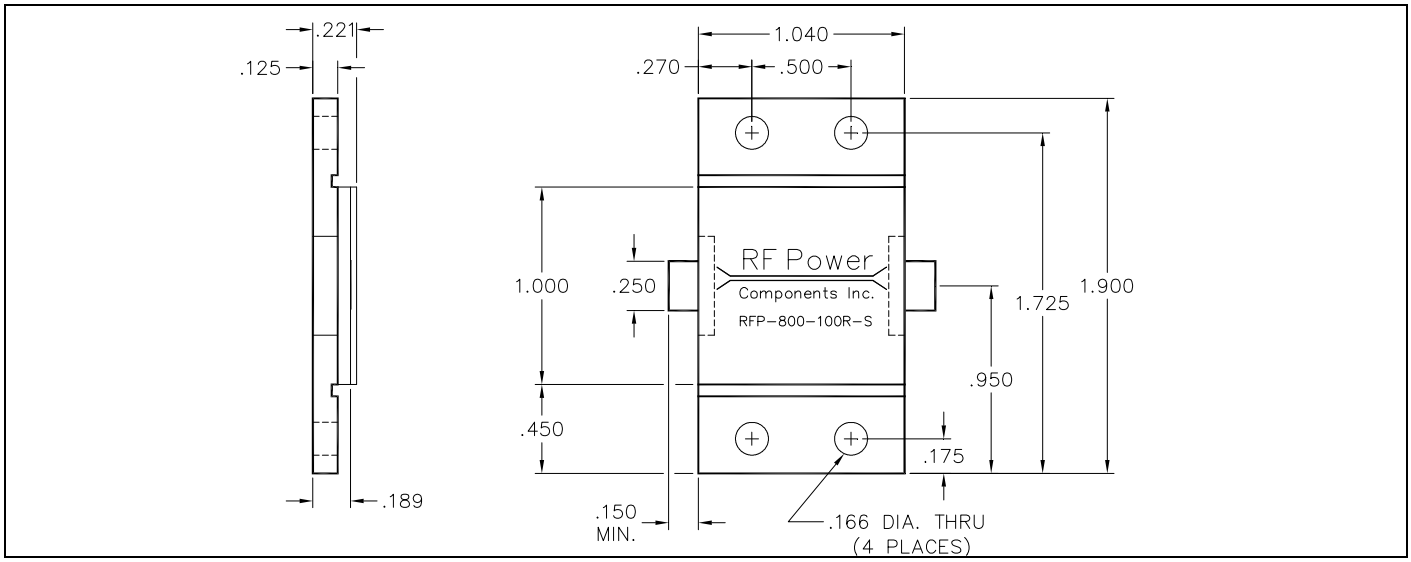
All dimensions in inches.

Specifications subject to change with out notice.

Features:

- **DC – 250 MHz**
- **800 Watts**
- **BeO Ceramic**
- **Non-Nichrome Resistive Element**
- **Welded Silver Leads**
- **100% Tested**
- **RoHS Compliant**

Outline Drawing



800-100R-S (097) Rev B

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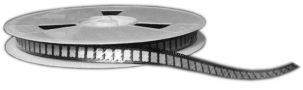

Available on Tape and Reel For Pick and Place Manufacturing.

USA/Canada: (315) 432-8909
Toll Free: (800) 544-2414
Europe: +44 2392-232392

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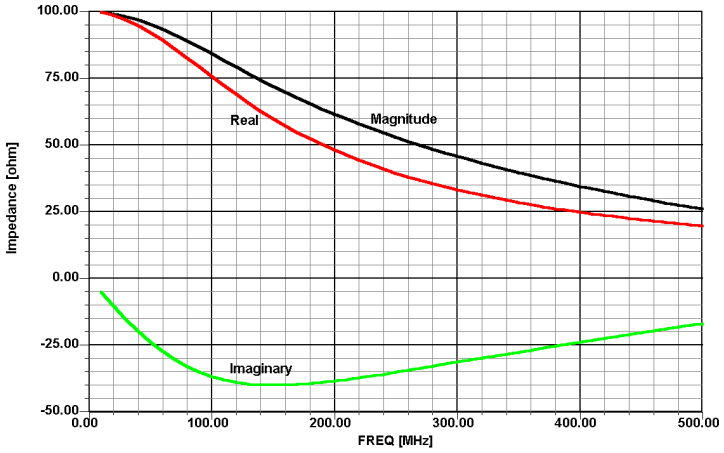
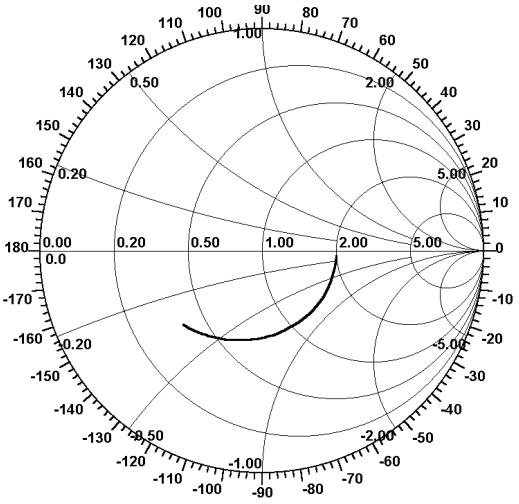
RoHS Compliant

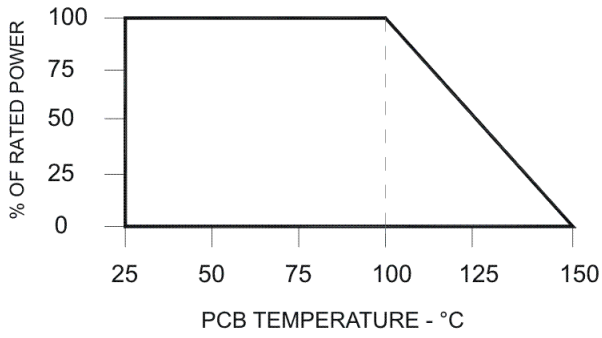
RF Power

Typical Performance:

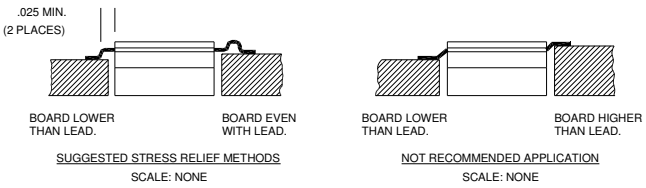




Power De-rating:



Mounting Footprint and Procedure:



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 WASHER. 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 APPROPRIATE TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON (700°F).

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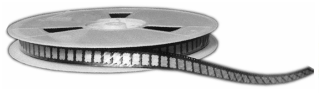

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