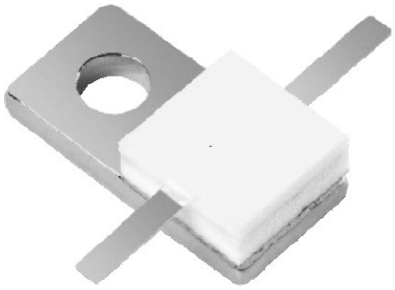
RF Power

Flanged Resistor
20 Watts, 50Ω



General Specifications:

Resistive Element	Thick film
Substrate	AlN Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-50 to +200°C (see de rating chart)

Electrical Specifications:

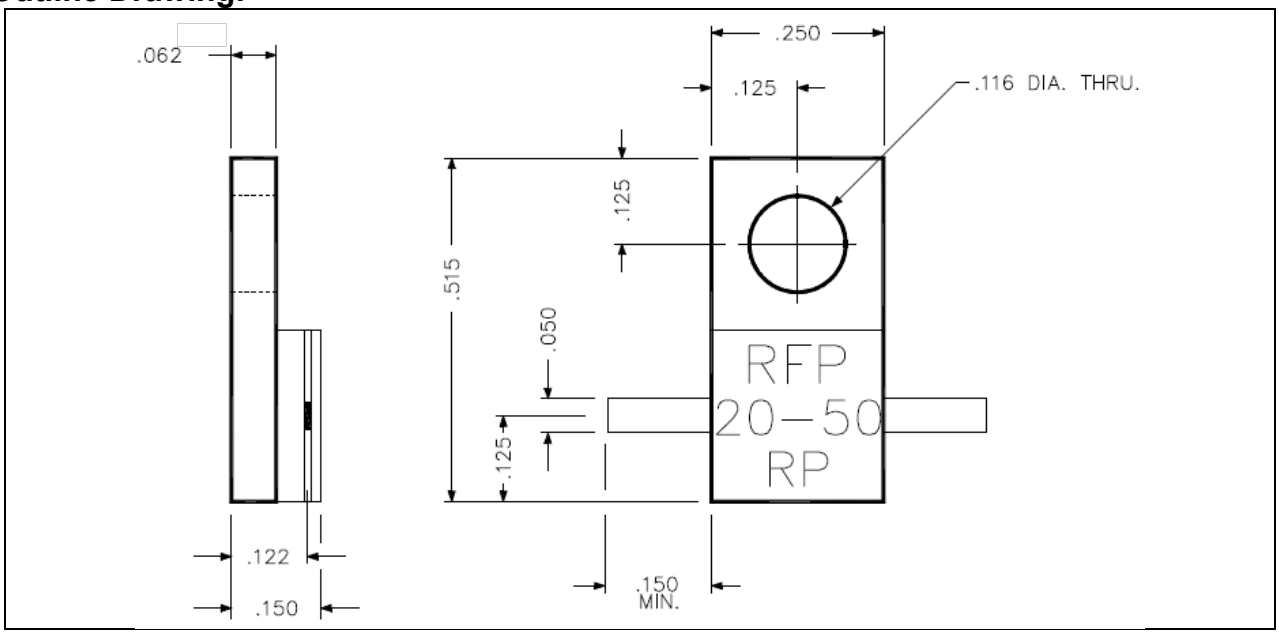
Resistance Range:	100Ω, ± 5%
Power:	20 Watts
Frequency Range:	DC – 4.0 GHz
Capacitance	1.2 pF Typical

Specifications subject to change.

Features:

- **DC – 4.0 GHz**
- **20 Watts**
- **BeO Ceramic**
- **Non-Nichrome Resistive Element**
- **Low VSWR**
- **100% Tested**

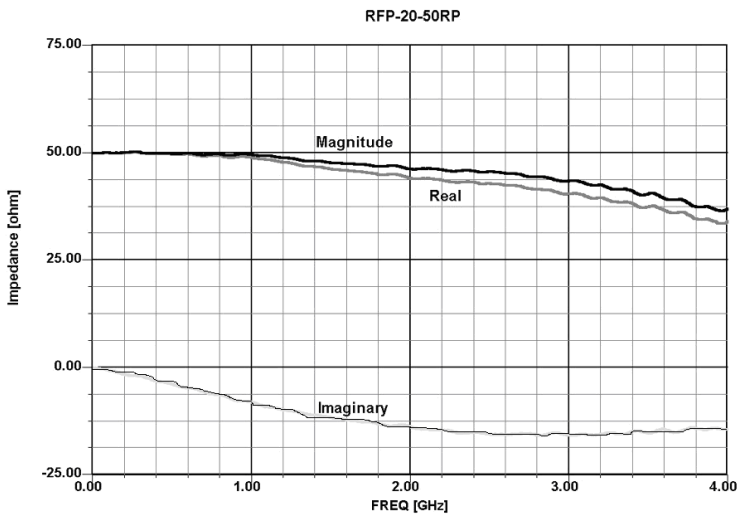
Outline Drawing:



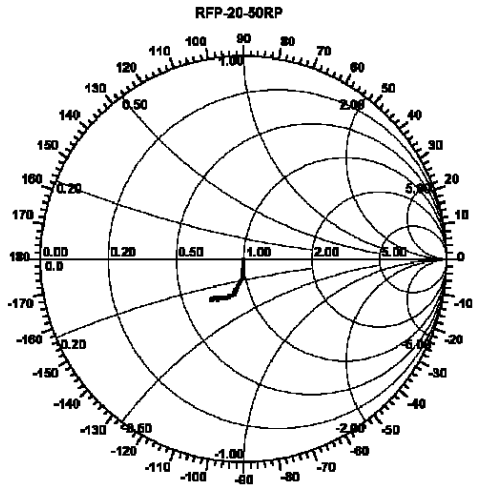
Tolerance is ±0.010”, unless otherwise specified. **All dimensions in inches.**

Typical Performance:

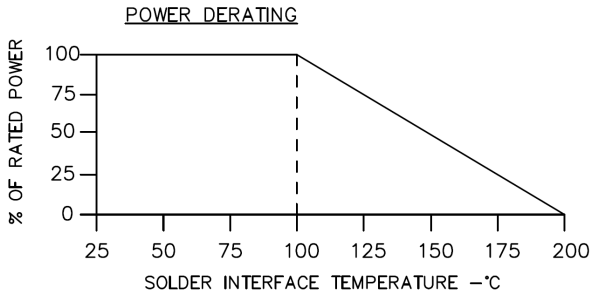
Impedance:



Smith Chart

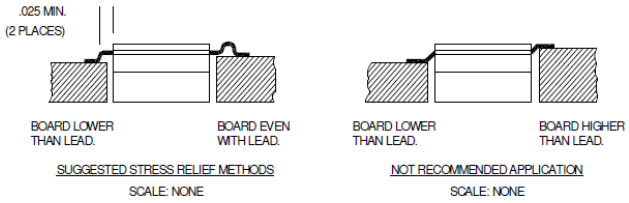


Power de-rating:



***Actual performance could be limited by the solder properties of the application**

Mounting 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 APPROPROATE SOLDER WITH A CONTROLLED TEMPERATURE IRON.

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