



Surface Mount Resistor 10 Watts, 100Ω



General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide ceramic
Terminals	Thick film silver

Electrical Specifications

Resistance Range:	100 ohms, ± 2%
Frequency Range;	DC –2.0 GHz
Power:	10 Watts
Capacitance:	1.4 pF

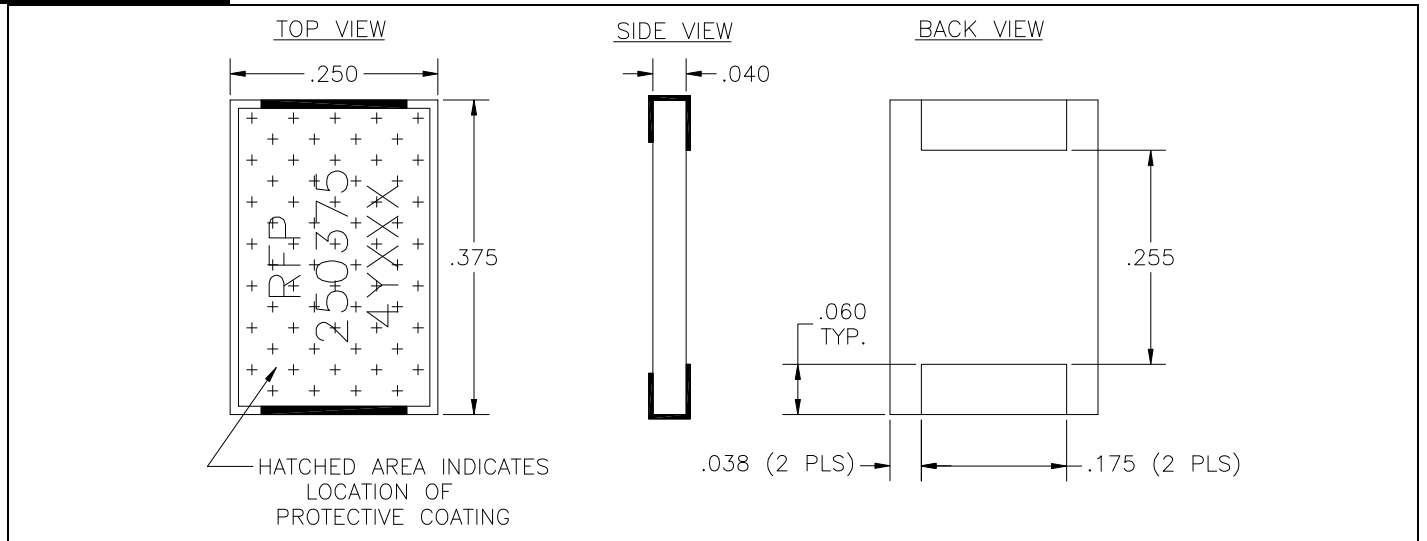
Note: Tolerance is ±0.010", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. Operating temperature is -55°C to 125°C (see chart for derating temperatures).
All dimensions in inches.

Specifications subject to change with out notice.

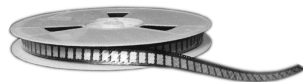
Features:

- DC – 2.0 GHz
- 10 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Low Capacitance
- 100% Tested

Outline Drawing

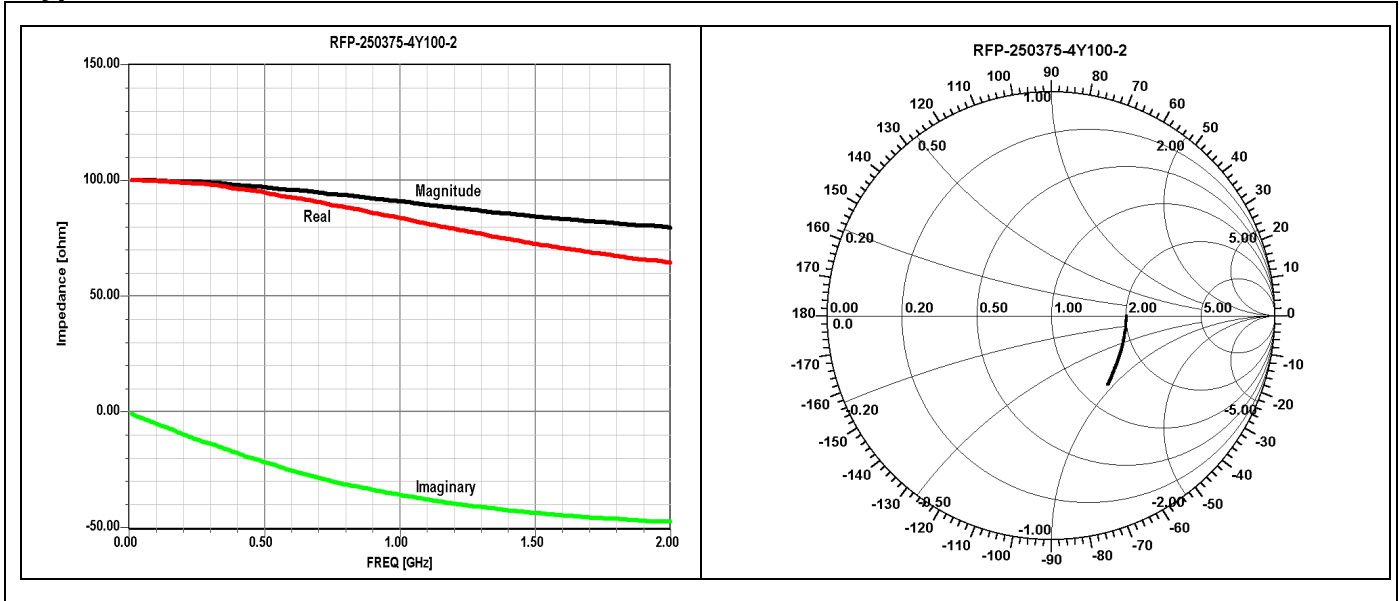


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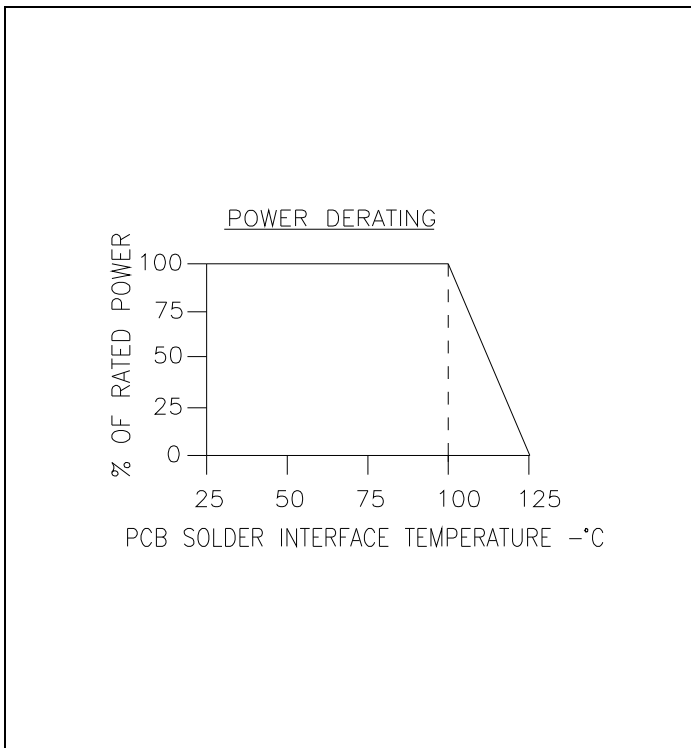




Typical Performance:



Power De-rating:



Mounting Footprint and Procedure:

MOUNTING PROCEDURE

The diagram shows a component being mounted on a PC BOARD which is placed on a HEATSINK. SOLDER PASTE is applied to the component leads.

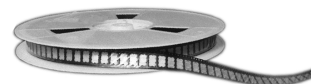
SUGGESTED MOUNTING PROCEDURES:

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 SN96 SOLDER.
3. SOLDER LEADS IN PLACE USING AN SN96 TYPE SOLDER WITH A CONTROLLED TEMPERATURE IRON (260°C).

250375-4Y100-2 (097) Rev C

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Available on Tape and Reel For Pick and Place Manufacturing.



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