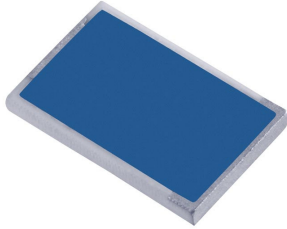


**RoHS  
Compliant**

**Surface Mount Resistor  
10 Watts**



#### General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide ceramic

#### Electrical Specifications

Resistance Range:	See Chart
Frequency Range;	DC – 2.0 GHz
Power:	10 Watts
Capacitance:	1.4 pF

Tolerance is  $\pm 0.010$ ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. Operating temperature is  $-55^{\circ}\text{C}$  to  $125^{\circ}\text{C}$  (see chart for derating temperatures).

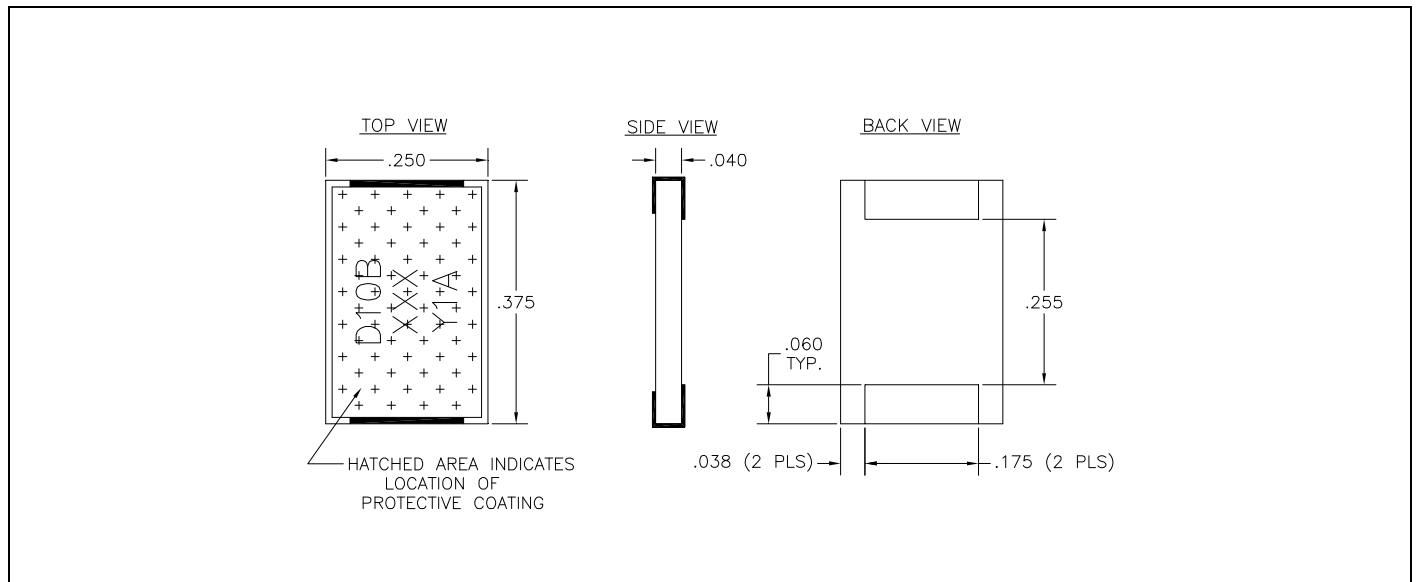
All dimensions in inches.

Specifications subject to change without notice.

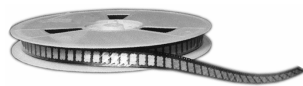
#### Features:

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

#### Outline Drawing

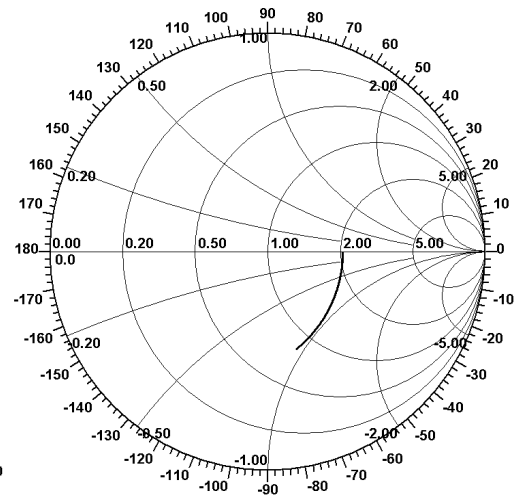
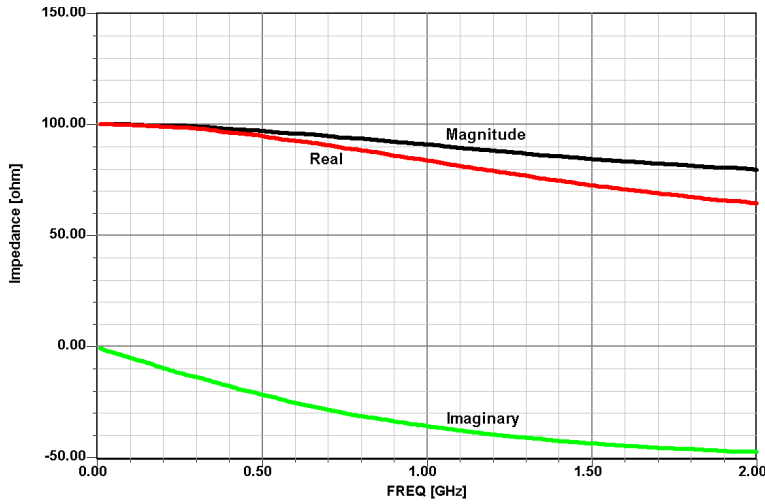


D10BXXXY1A (097) Rev B

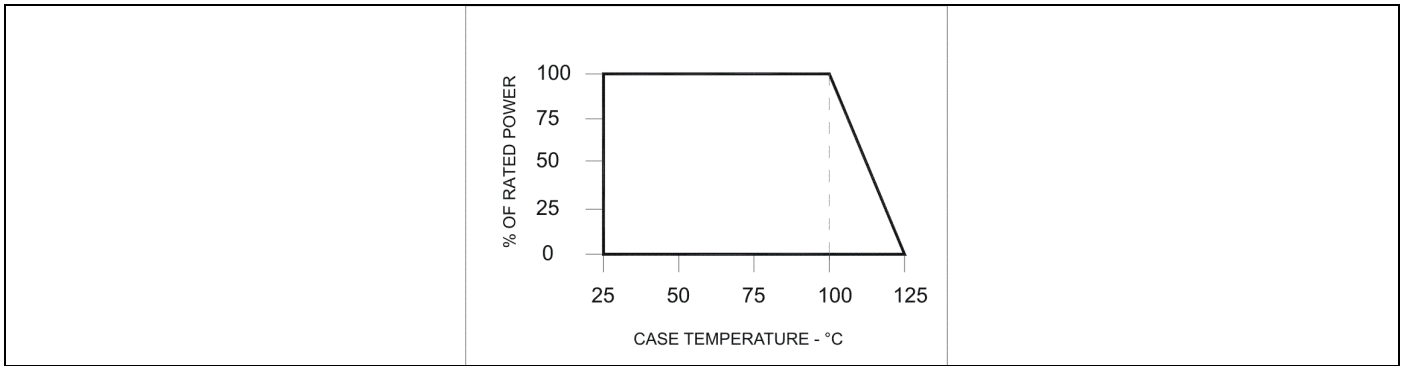




## Typical Performance for D10B100Y1A

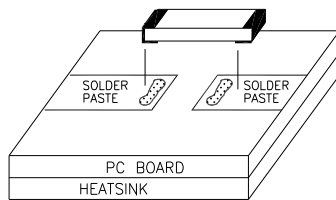


### Power De-rating:



### Mounting Procedure:

### Performance Chart:



MOUNTING PROCEDURE

1. Make sure that the devices are mounted on flat surfaces (0.001" under the device) to optimize the heat transfer.
2. Position device on mounting surface and solder in place using an appropriate type solder.

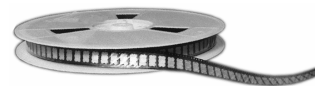
Value	Part Number	Tolerance
50 ohms	D10B50Y1A	± 2%
68 ohms	D10B68Y1A	± 2%
100 ohms	D10B100Y1A	± 2%
300 ohms	D10B300Y1A	± 1%
1K ohms	D10B1KY1A	± 2%

B

D10BXXXY1A (097) Rev

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