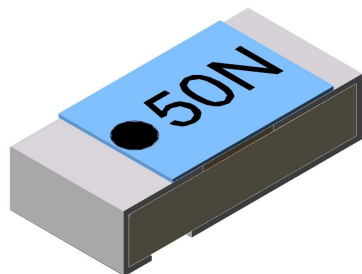


**RoHS  
Compliant**

**Surface Mount Termination  
10 Watts, 50Ω**



### General Specifications

<b>Resistive Element:</b>	Thick film
<b>Terminations:</b>	Thick film silver
<b>Substrate:</b>	Aluminum Nitride Ceramic

### Electrical Specifications

<b>Resistance value:</b>	50 ohms
<b>Frequency Range:</b>	DC – 3.0 GHz
<b>Power:</b>	10 Watts
<b>VSWR:</b>	1.25:1 to 2 GHz, 1.43:1 to 3 GHz

Tolerance is  $\pm 0.010$ ", 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).

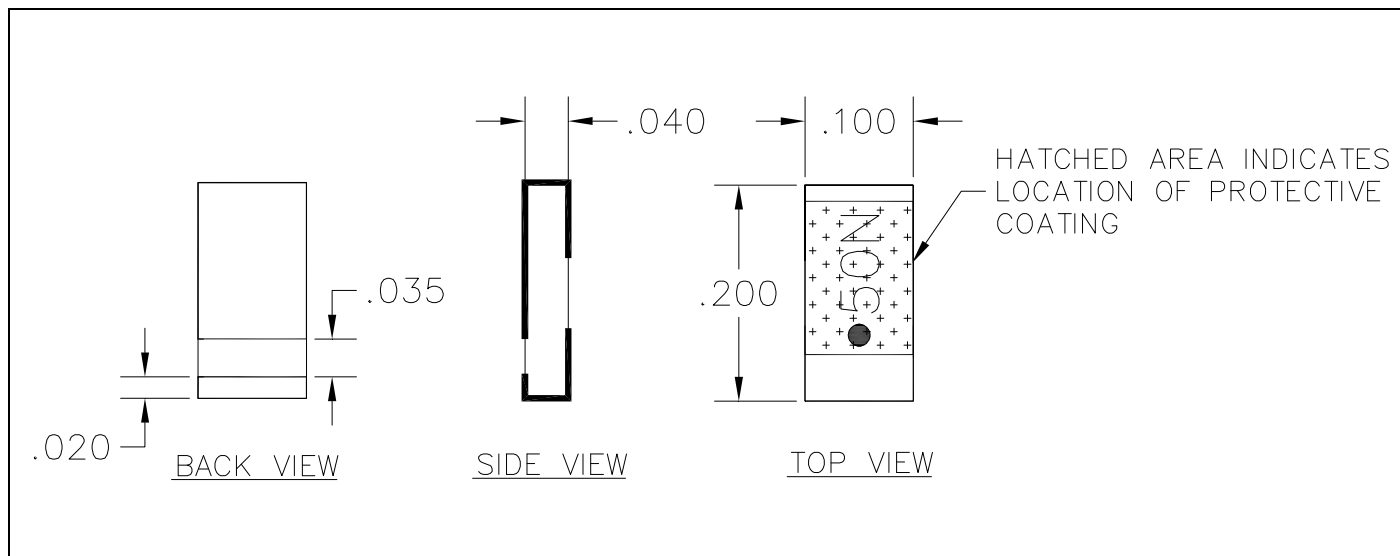
All dimensions in inches.

Specifications subject to change without notice.

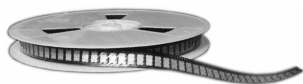
### Features:

- DC – 3.0 GHz
- 10 Watts
- ALN Ceramic
- Non-Nichrome Resistive Element
- 100% Tested
- RoHS Compliant

### Outline Drawing

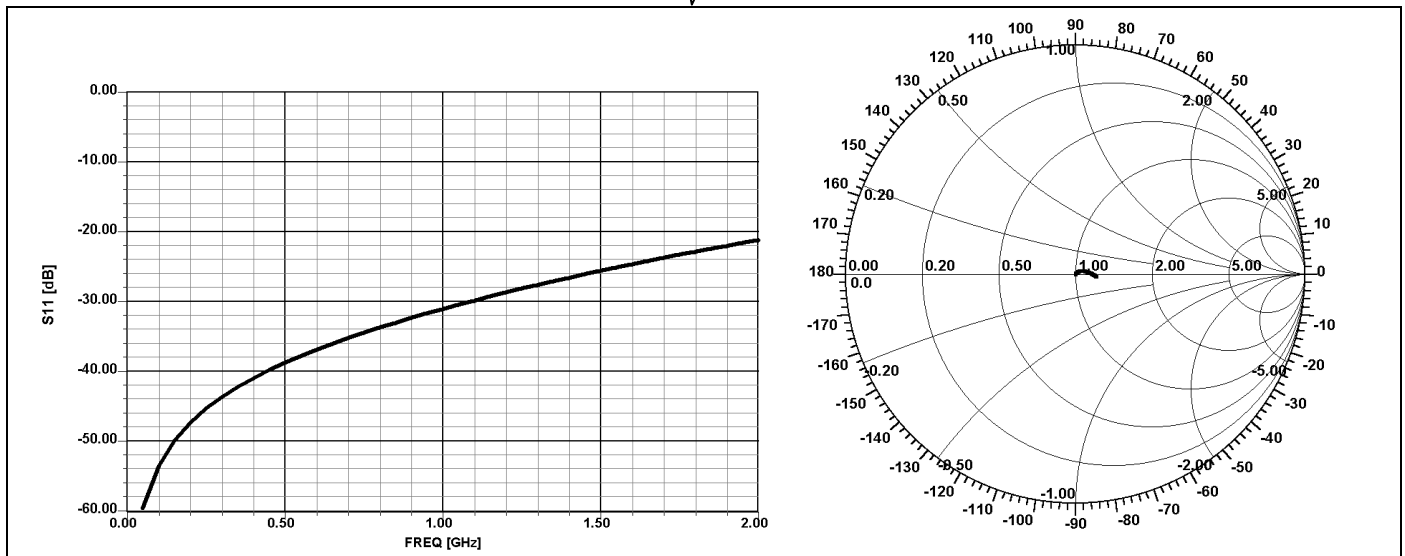


C10N50Z4A (097) Rev B

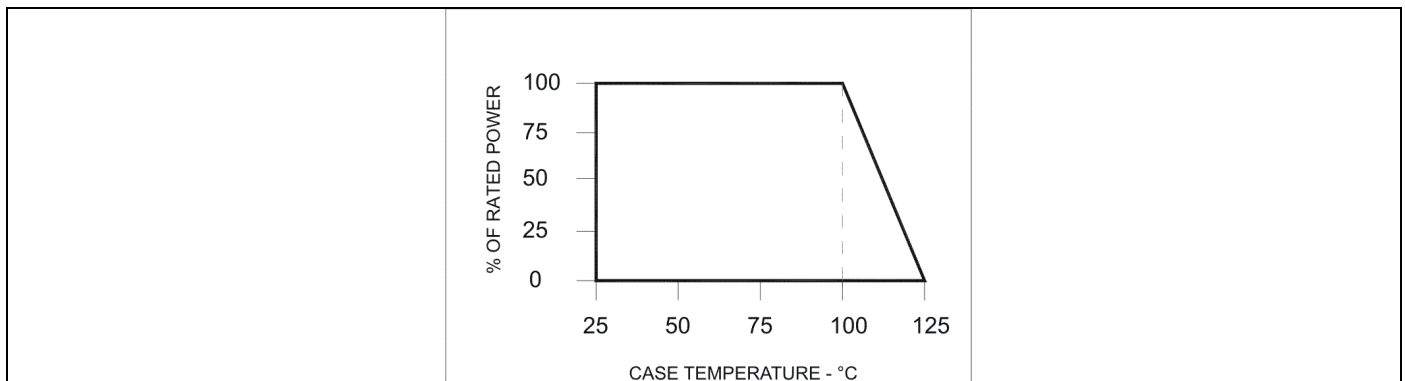


## Typical Performance:

**RoHS  
Compliant**



## Power De-rating:



## Mounting Procedure:

PC BOARD  
HEATSINK

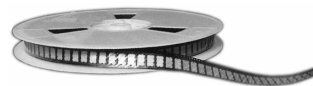
MOUNTING PROCEDURE

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.

C10N50Z4A (097) Rev B

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