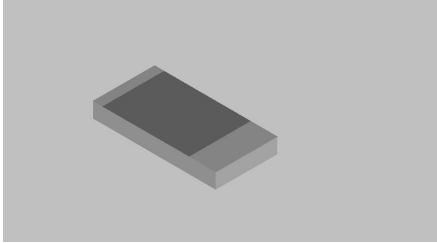




Surface Mount Termination 10 Watts, 50Ω



General Specifications

Resistive Element	Thick film
Substrate	Aluminum nitride ceramic
Terminals	Tin/Lead, 90/10 over nickel

Electrical Specifications

Resistance Range:	50 ohms, $\pm 2\%$
Frequency Range;	DC – 2.0 GHz
Power:	10 Watts
VSWR	1.25:1 DC – 2.0 GHz

Note: 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).

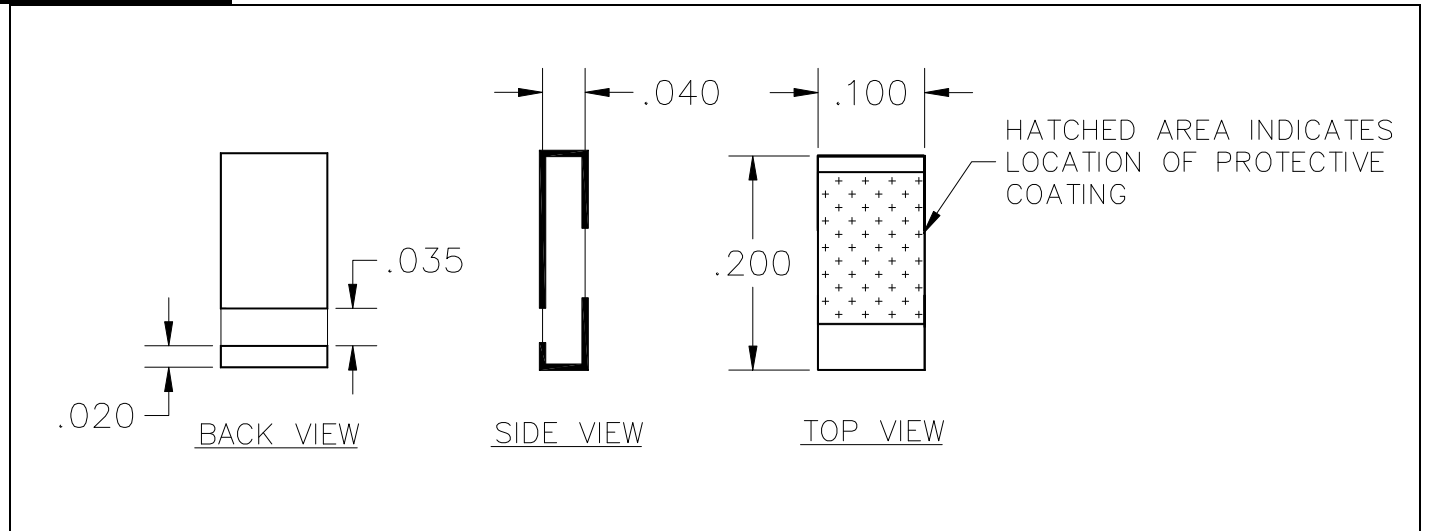
All dimensions in inches.

Specifications subject to change with out notice.

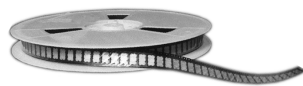
Features:

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

Outline Drawing

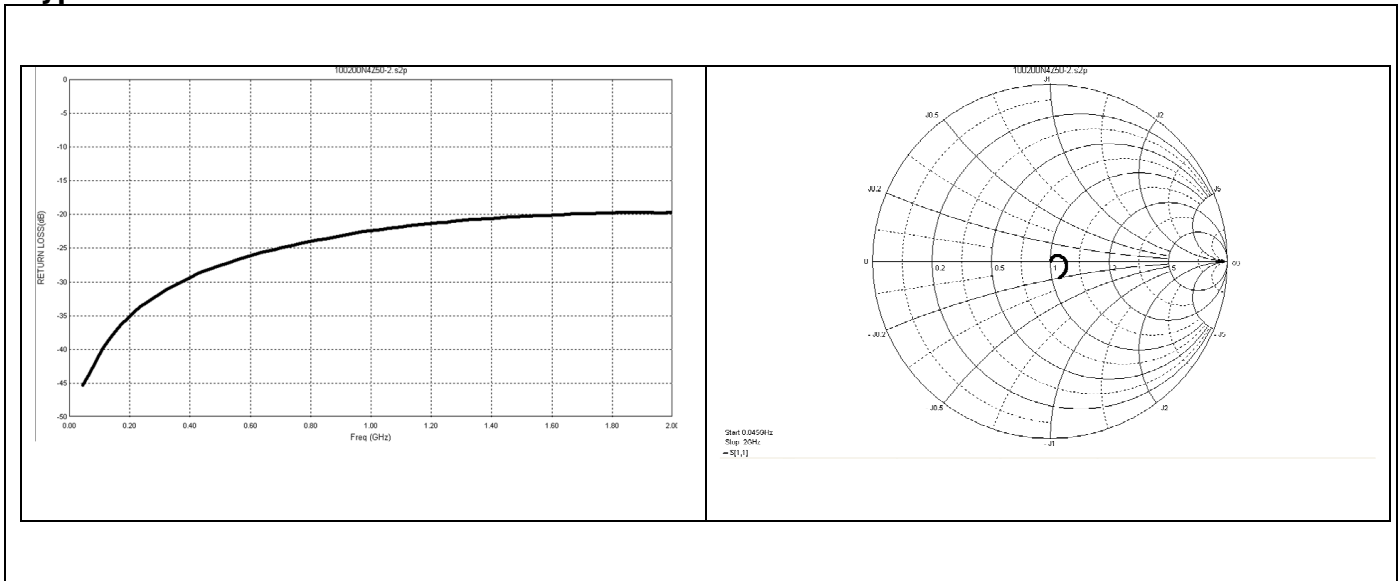


100200N4Z50-2 (097) Rev A



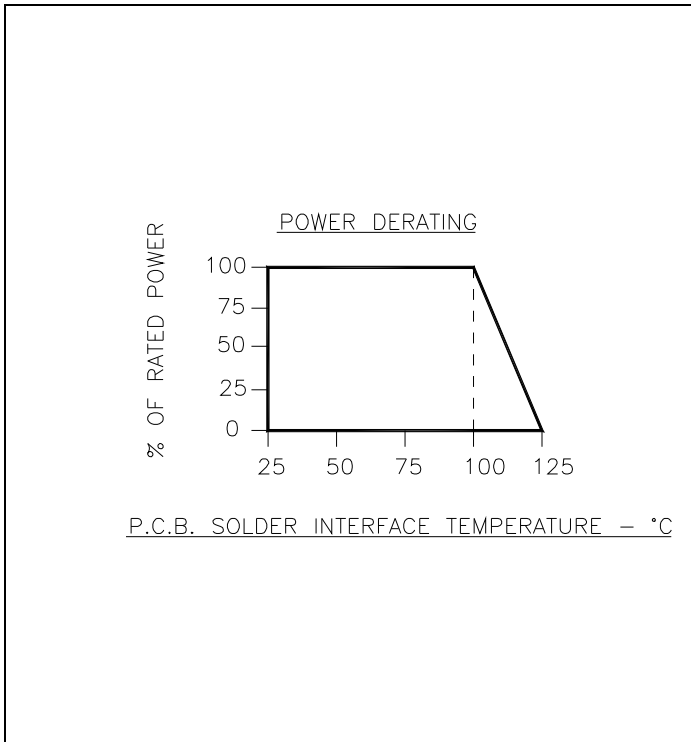


Typical Performance:



Power De-rating:

Mounting Footprint and Procedure:



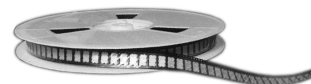
The diagram illustrates the mounting procedure on a PCB. It shows a "PC BOARD" mounted on a "HEATSINK". Labels include "SOLDER PASTE" on the component pads, "SOLDER FILLED VIA" in the board, and "SCREW (2 PLS.)" used to secure the assembly to the heatsink.

1. Solder part in place using 60/40 type solder with Temperature controlled iron (700°F).
2. Drill thermal vias through PCB and fill with solder, such as 60/40 type.
3. To ensure good thermal connectivity to heat sink, drill and tap heatsink and mount PCB board to heat sink using screws.

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