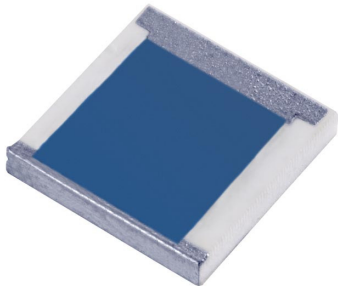


**RoHS
Compliant**

**Chip Termination
300 Watts, 50Ω**



General Specifications

Resistive Element	Thick film
Substrate	Beryllium oxide Ceramic
Terminal Finish	Thick film Silver
Operating Temperature	-55 to +125°C (see chart)

Tolerance is ± 0.010 ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. All dimensions in inches.

Features:

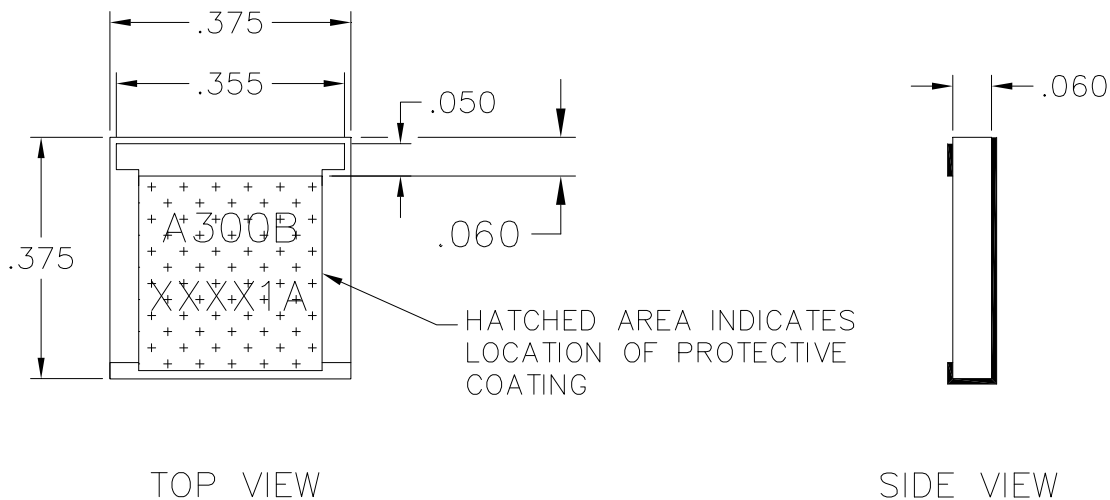
- DC – 1.0 GHz
- 300 Watts
- BeO Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested
- RoHS Compliant

Electrical Specifications

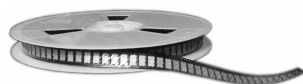
Resistance Value:	50 ohms, $\pm 2\%$
Power:	300 Watts
Frequency Range:	DC – 1.0 GHz
V.S.W.R.:	1.25:1

Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change without notice**

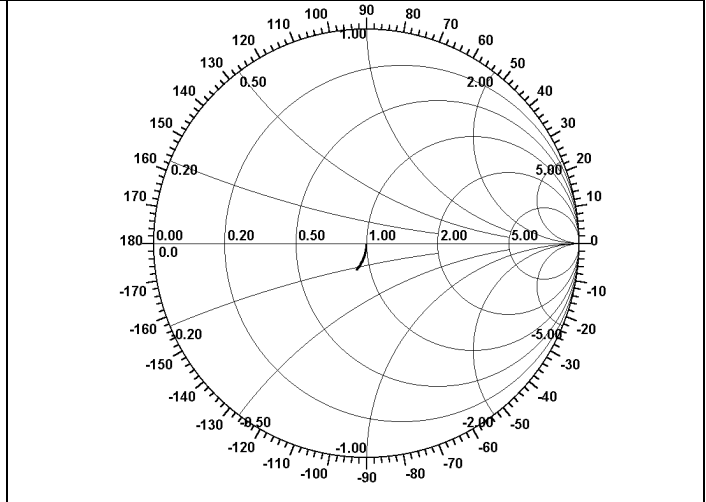
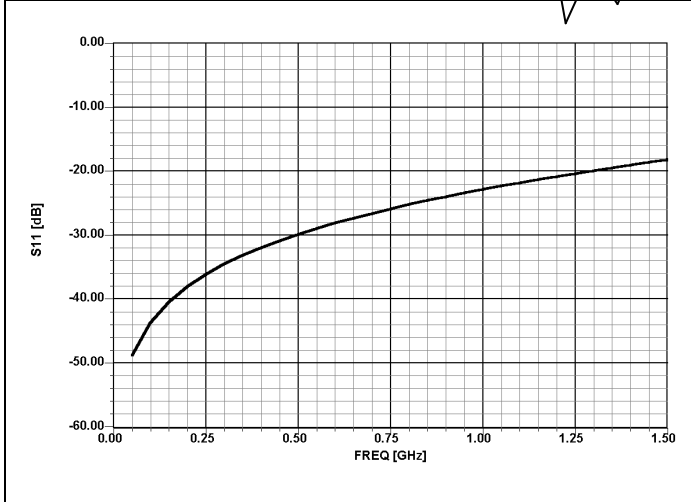
Outline Drawing



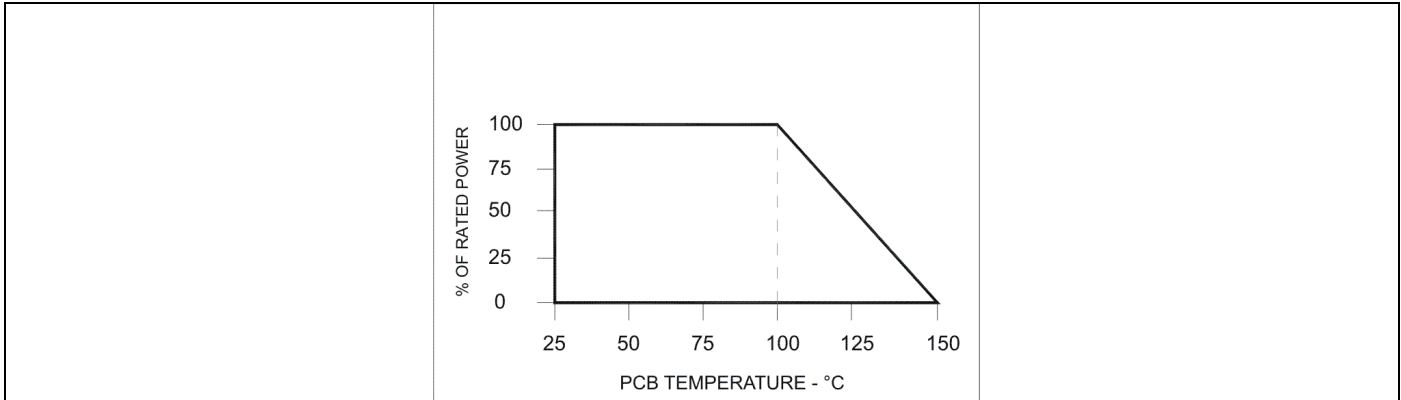
A300B50X1A (097) Rev B



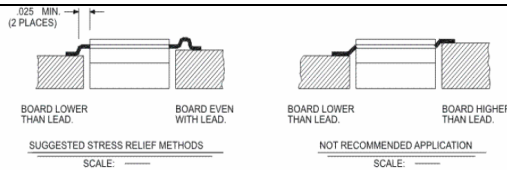
Typical Performance:



Power De-rating:



Suggested Mounting Procedure:

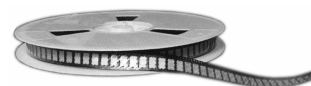


1. Make sure that the devices are mounted on flat surfaces (0.001" under the device) to optimize the heat transfer.
2. Drill & tap the heatsink for the appropriate thread size to be used.
3. Coat the heatsink with a minimum amount of high quality silicone grease (0.001" max. thickness).
4. Position the device on mounting surface and secure using socket head screws, flat & split washers. 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 toward the lid).
5. Solder leads in place using an adequate solder with a controlled temperature iron.

A300B50X1A (097) Rev B

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