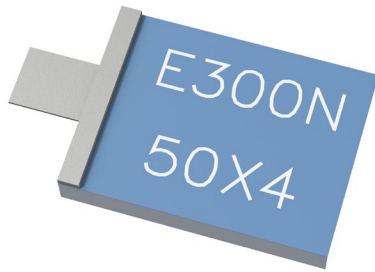


Flangeless Termination
300 Watts (Avg.), 50Ω



Description:

The E300N50X4 is high performance Aluminum Nitride (AlN) termination. The performance is specifically tuned for ISM band 2.4-2.5GHz and is intended for use in RF High Energy and RF heating applications. The termination is also RoHS compliant!

Features:

- RoHS Compliant
- 300 Watts (Avg.)
- 2.4 – 2.5 GHz
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

General Specifications:

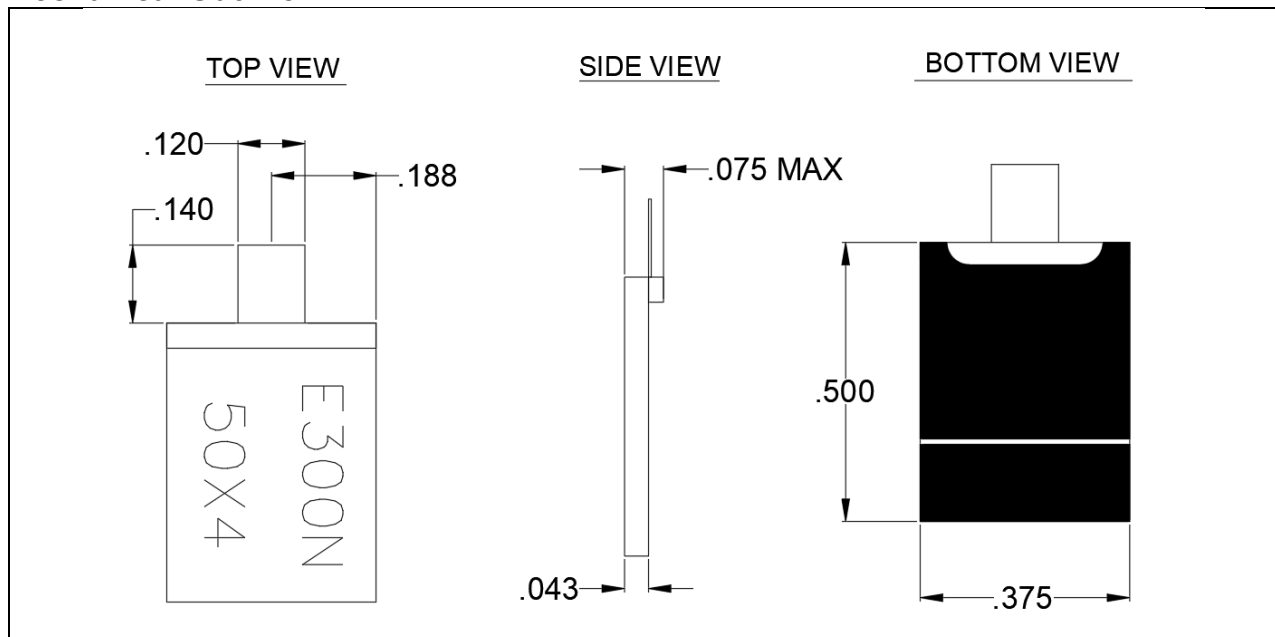
Resistive Element:	Thick film
Substrate:	AlN Ceramic
Terminal Finish:	Matte Tin over Nickel Barrier
Operating Temperature:	-55 to +150°C (see de rating chart)

Electrical Specifications:

Resistance Value:	50 Ohms Nominal
Power:	300 Watts (avg CW @ 100°C)
Frequency Range:	2.4 – 2.5 GHz
Return Loss:	>25 dB

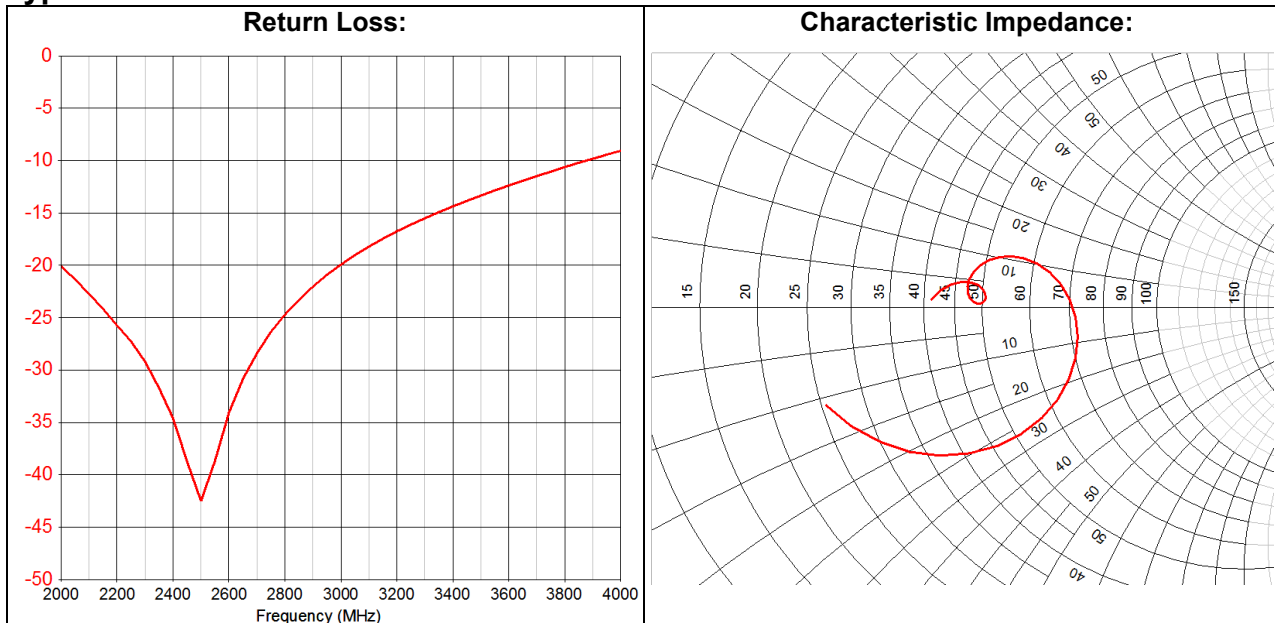
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

Mechanical Outline:

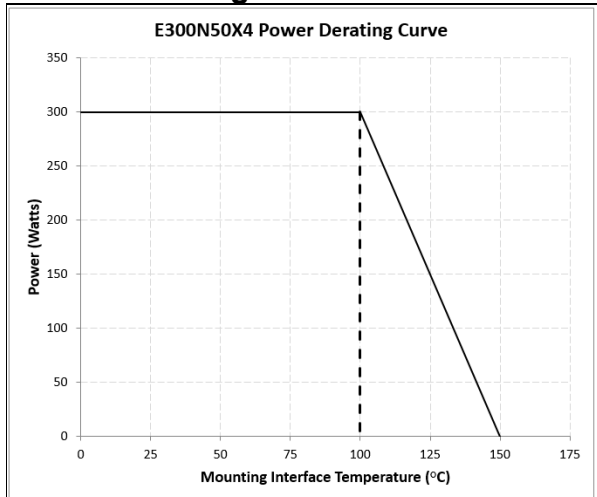


Unless otherwise specified dimensions are in inches [millimeters] tolerance is ± 0.010 ", unless otherwise specified. The bottom ground plane is shown as "split", this is only for manufacturing purposes. PCB layout should be designed to have one continuous ground plane.

Typical Performance:

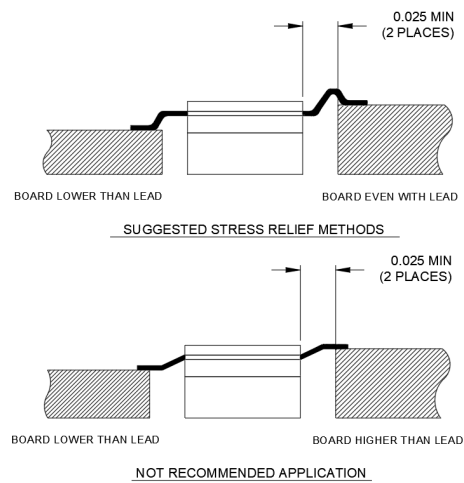


Power De-rating:



*Actual performance could be limited by the solder properties of the application

Mounting Configuration:



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 an appropriate solder.
3. Solder leads in place using an appropriate solder type with a controlled temperature iron.

Contact us:
rf&s_support@ttm.com