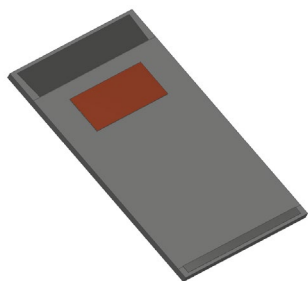


## DC - 13GHz Surface Mount RF Termination 6 Watts CW, 50Ω



### Description:

The C6N50Z4B is high performance Aluminum Nitride (AlN) surface mount termination intended as a cost effective alternative to traditional termination resistors. The termination is well suited to all cellular frequency bands such as; 5G, LTE, ISM, & MIL-AERO Bands. The high CW power handling and Peak to Average rating of 12dB, makes the part ideal for terminating high power Xinger 90 degree couplers and directional couplers and for use in microstrip circuits. The termination is also RoHS compliant!

### Features:

- DC - 13GHz
- Power 6W (CW)
- Peak to AVG 12dB
- AlN Ceramic
- 5G, LTE, ISM, & MIL-AERO Bands
- Non-Nichrome Resistive Element
- Low VSWR
- RoHS Compliant
- 100% Tested

### General Specifications:

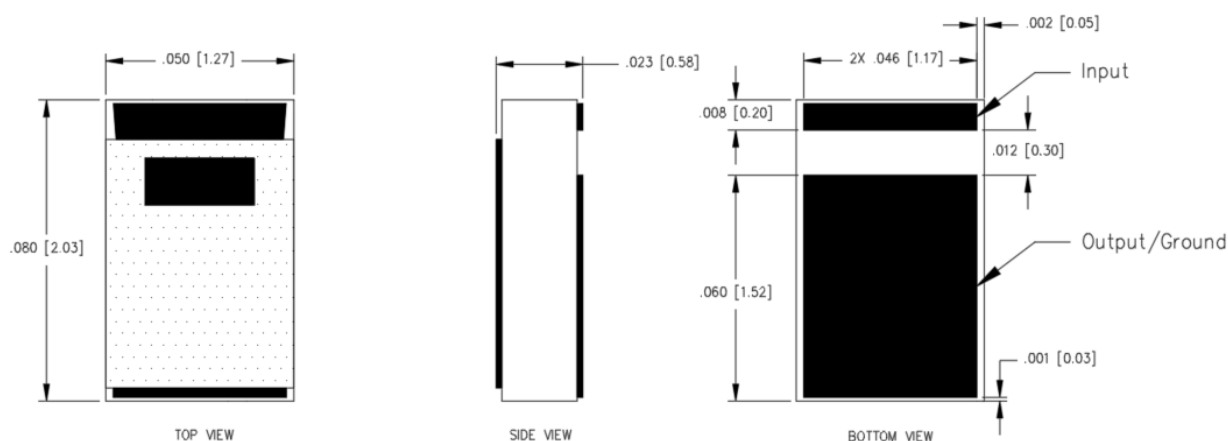
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AlN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +150°C (see de rating chart)

### Electrical Specifications:

<b>Power:</b>	6 Watts (avg CW @ 100°C)
<b>Frequency Range:</b>	DC – 13.0 GHz
<b>Return Loss</b>	20 dB DC – 6.0 GHz 11 dB 6.0 – 13.0 GHz

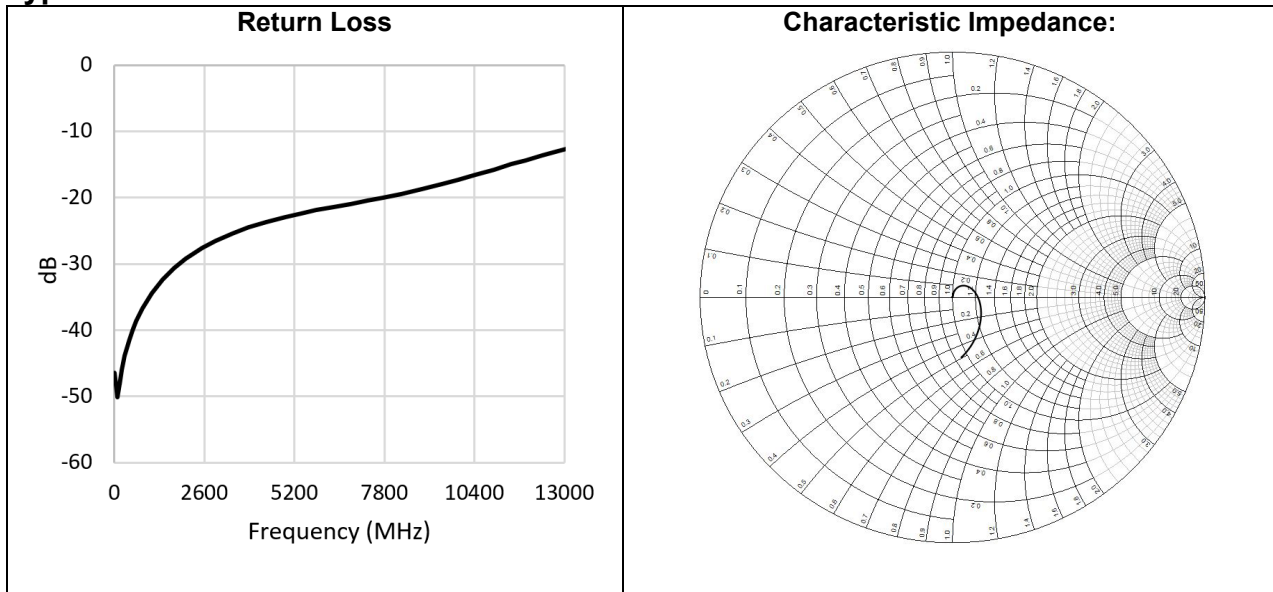
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

### Outline Drawing:

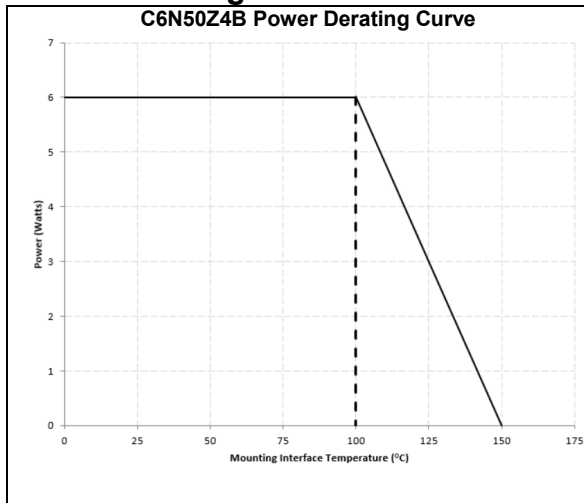


Tolerance is  $\pm 0.004$ ", unless otherwise specified. All dimensions in inches [millimeters].

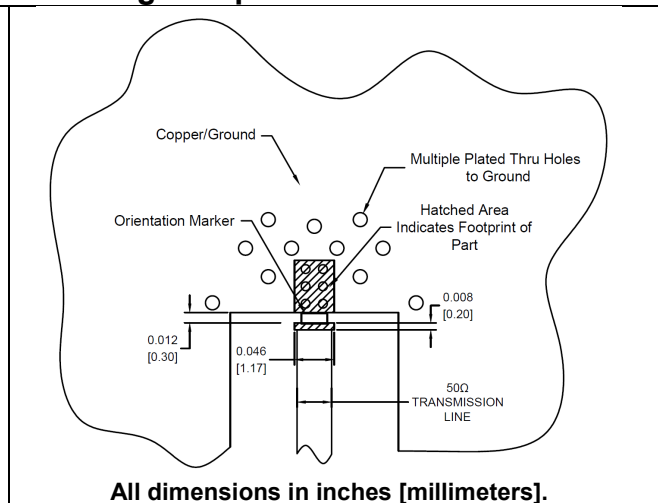
### Typical Performance:



### Power de-rating:

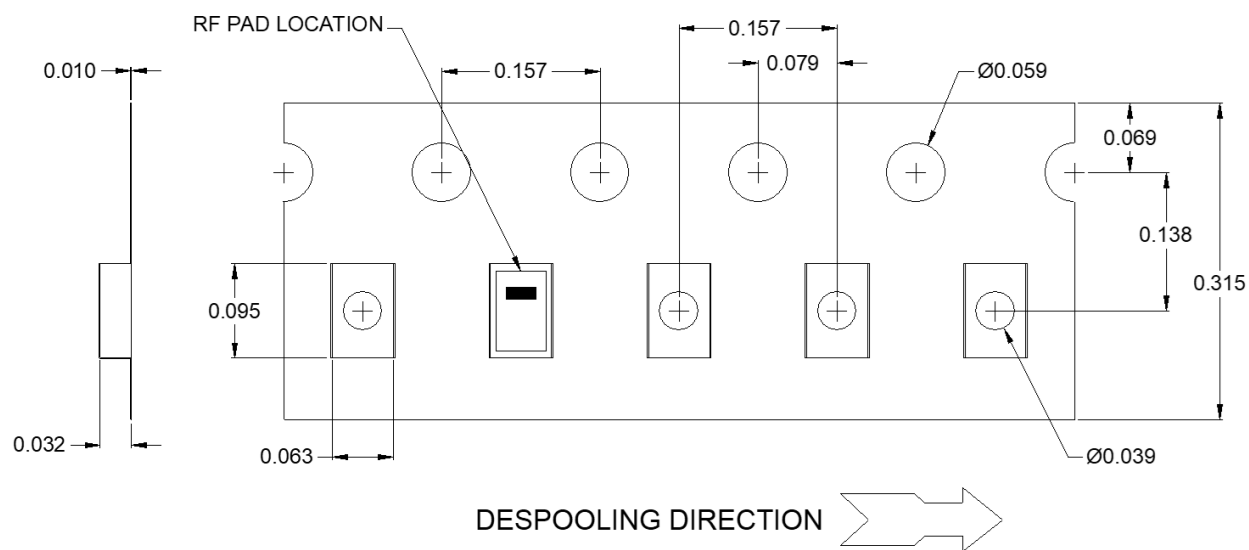


### Mounting Footprint:



**Tape & Reel:**

TAPE DETAIL & RF PAD ORIENTATION



Dimensions are in Inches

**Contact us:**  
[rf&s\\_support@ttm.com](mailto:rf&s_support@ttm.com)