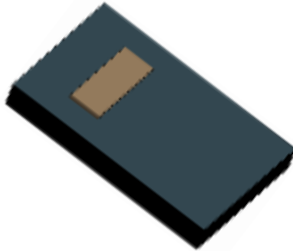


**Surface Mount RF Termination**  
**6 Watts, 50Ω**



**Description:**

The C6N50Z4 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 with a power rating of 6 Watts (AVG) and a peak to average ratio 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 to 6000 MHz
- Power 6 W (AVG)
- Peak to Average ratio 12dB
- RoHS Compliant
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

**General Specifications:**

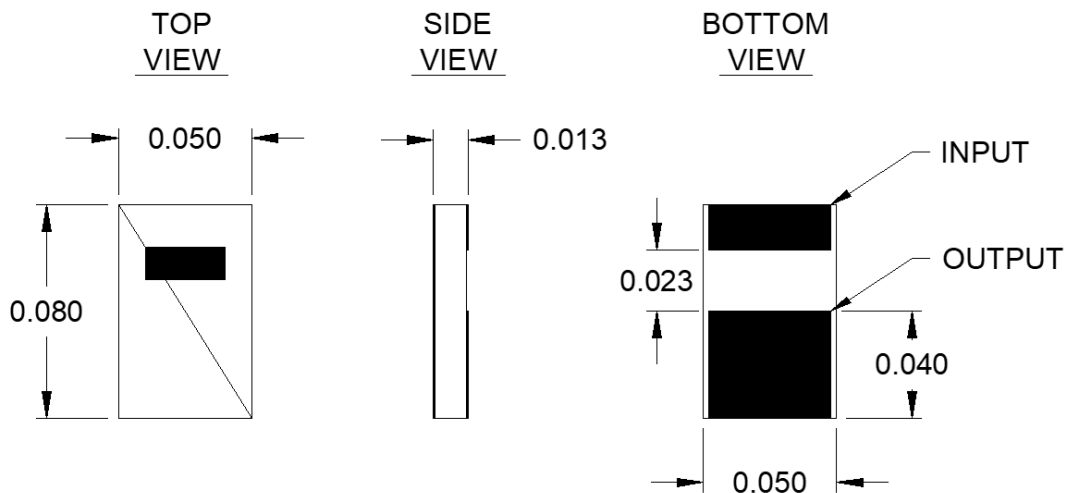
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AlN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +150°C (see de rating chart)

**Electrical Specifications:**

<b>Power:</b>	6 Watts (Avg. Watts @100°C)
<b>Frequency Range:</b>	DC – 6.0 GHz
<b>Return Loss</b>	>18 dB

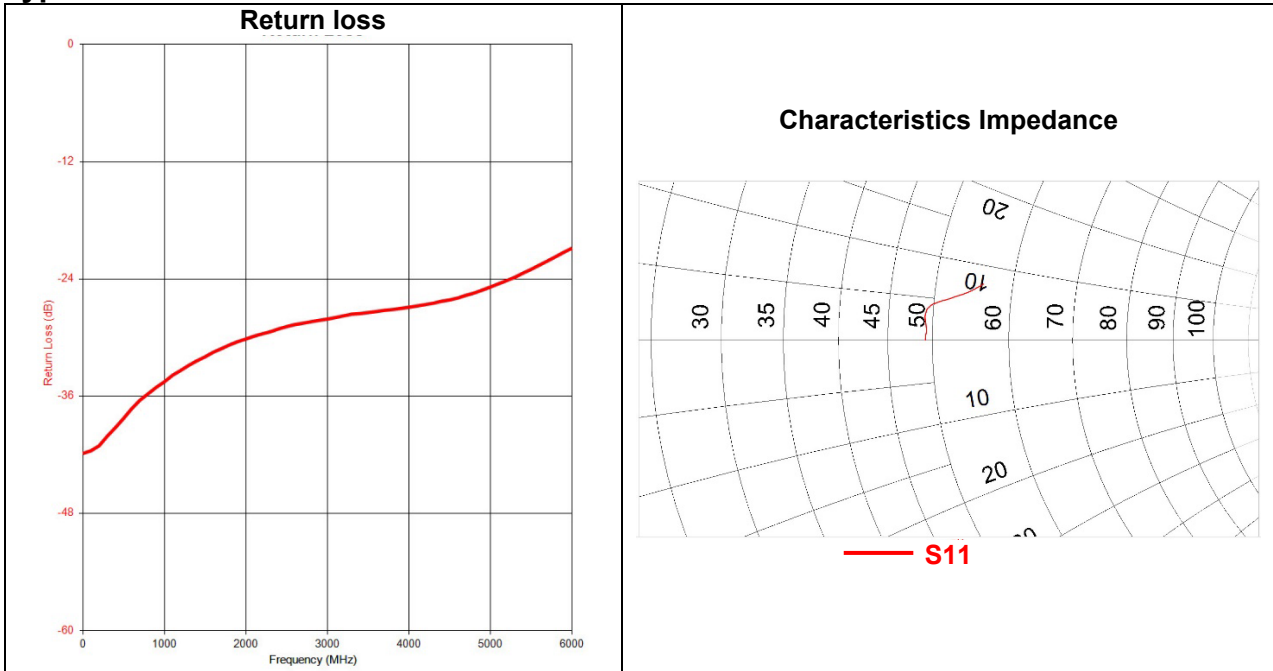
Specification based on unit properly installed using suggested mounting instructions and a 50 ohm nominal impedance. **Specifications subject to change.**

**Outline Drawing:**

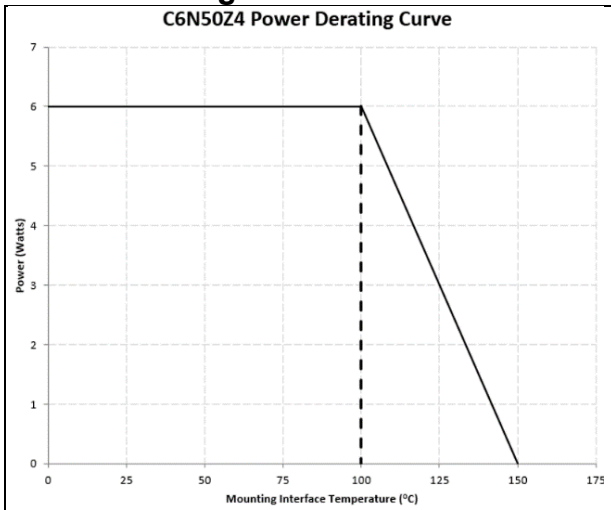


-TOLERANCE IS  $\pm 0.004$ " , UNLESS OTHERWISE SPECIFIED.  
-ALL DIMENSIONS ARE IN INCHES.

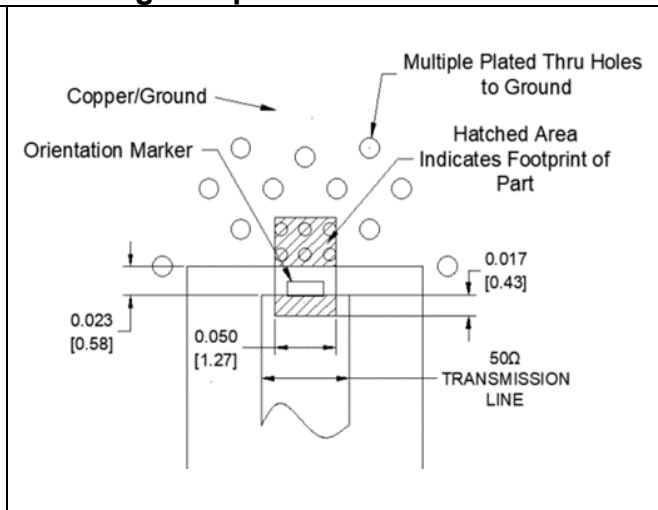
**Typical Performance:**



**Power Derating:**

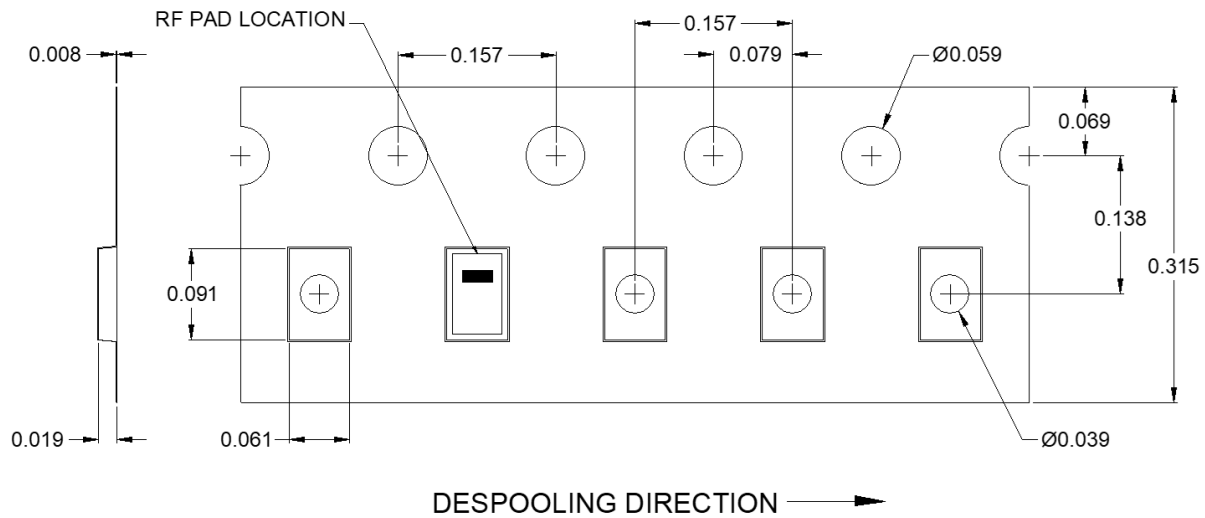


**Mounting Footprint:**



**Tape & Reel:**

TAPE DETAIL & RF PAD ORIENTATION



ALL DIMENSIONS ARE IN INCHES