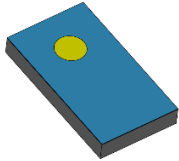


### Surface Mount Termination

**12 Watts, 50Ω**



#### Description

The C12N50Z4 is a high performance AIN surface mount termination. The termination is well suited to all cellular frequency bands such as; AMPS, GSM, DCS, PCS, PHS and UMTS. The high power handling makes the part ideal for terminating high power 90 degree couplers and for use in microstrip circuits. The termination is also RoHS compliant!

#### Features:

- RoHS Compliant
- 12 Watts
- DC – 6.0 GHz
- AIN Ceramic
- Non-Nichrome Resistive Element
- Low Return Loss
- 100% Tested
- Small Size

#### General Specifications

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

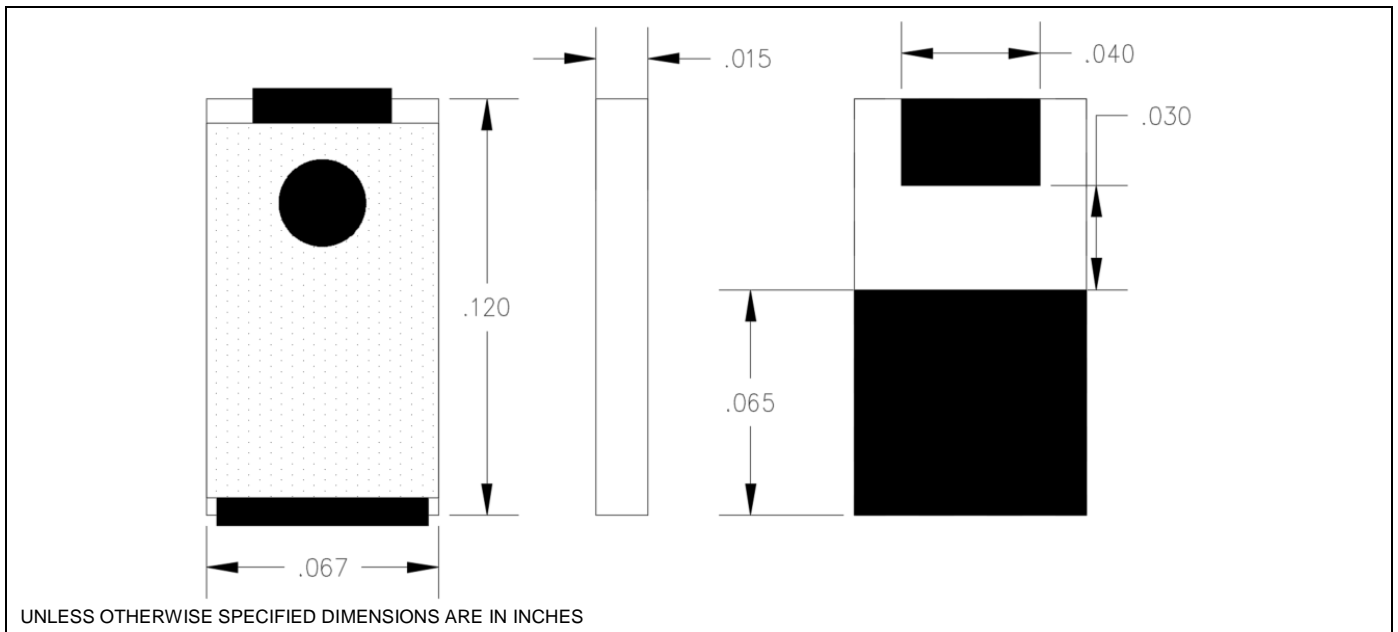
Tolerance is  $\pm 0.010$ ", unless otherwise specified. Designed to meet or exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

#### Electrical Specifications

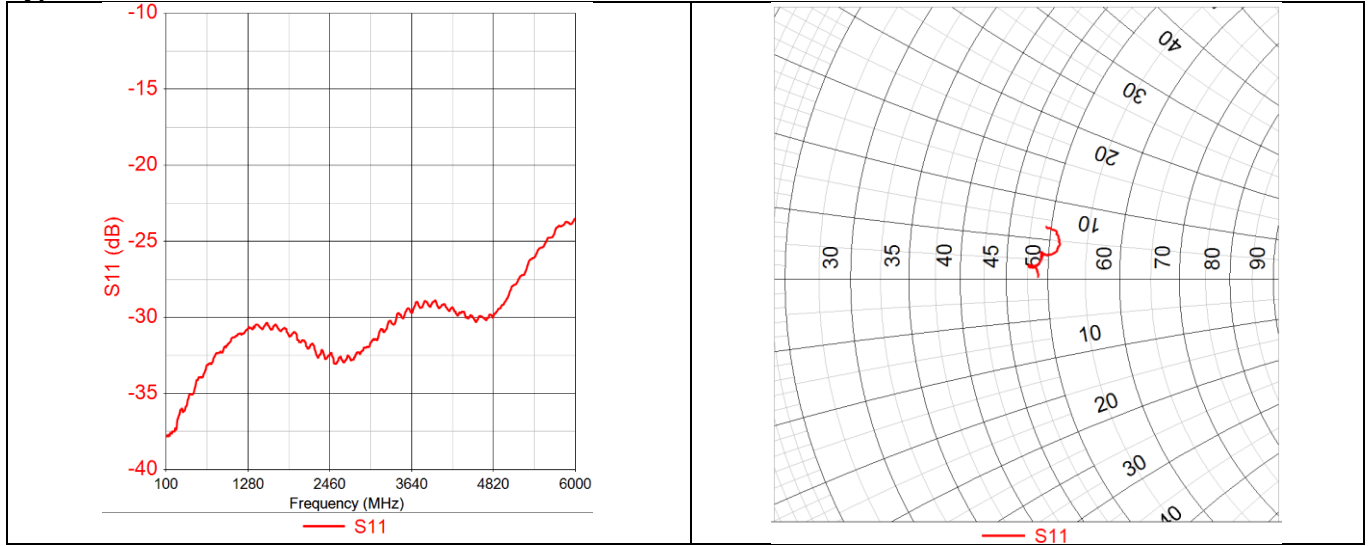
<b>Power:</b>	12 Watts
<b>Frequency Range:</b>	DC – 6.0 GHz
<b>Return Loss</b>	>20 dB

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

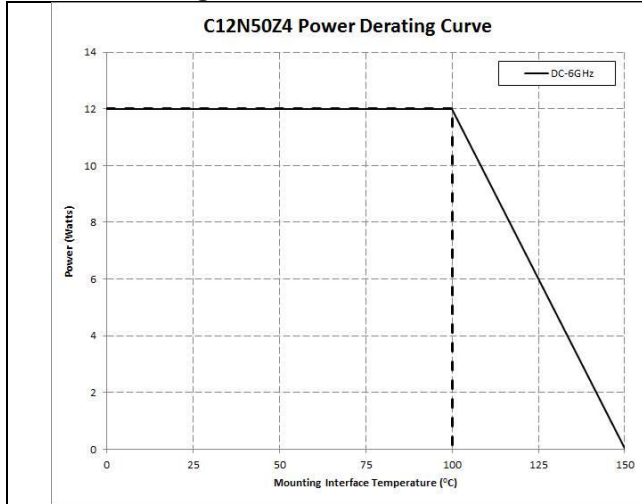
#### Outline Drawing



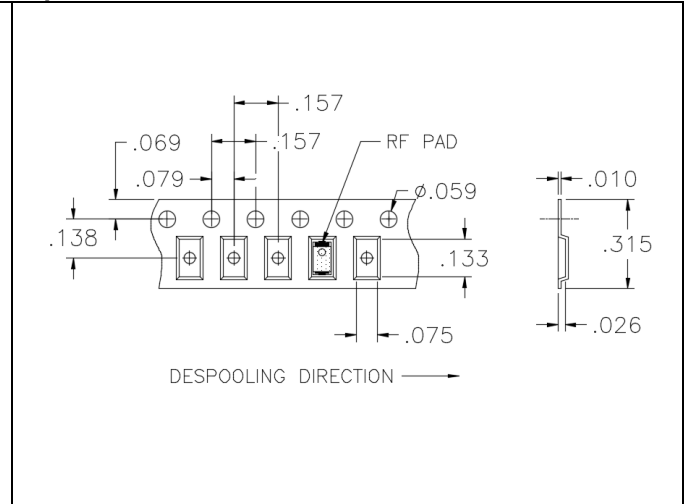
### Typical Performance:



### Power De-rating:



### Tape and Reel:



### Mounting Footprint:

