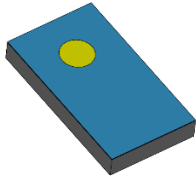


### Surface Mount Termination 45 Watts



#### Description

The C45N50Z4 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
- 45 Watts
- DC – 6.0 GHz
- AIN Ceramic
- Non-Nichrome Resistive Element
- Low Return Loss
- 100% Tested
- Small Size

#### General Specifications

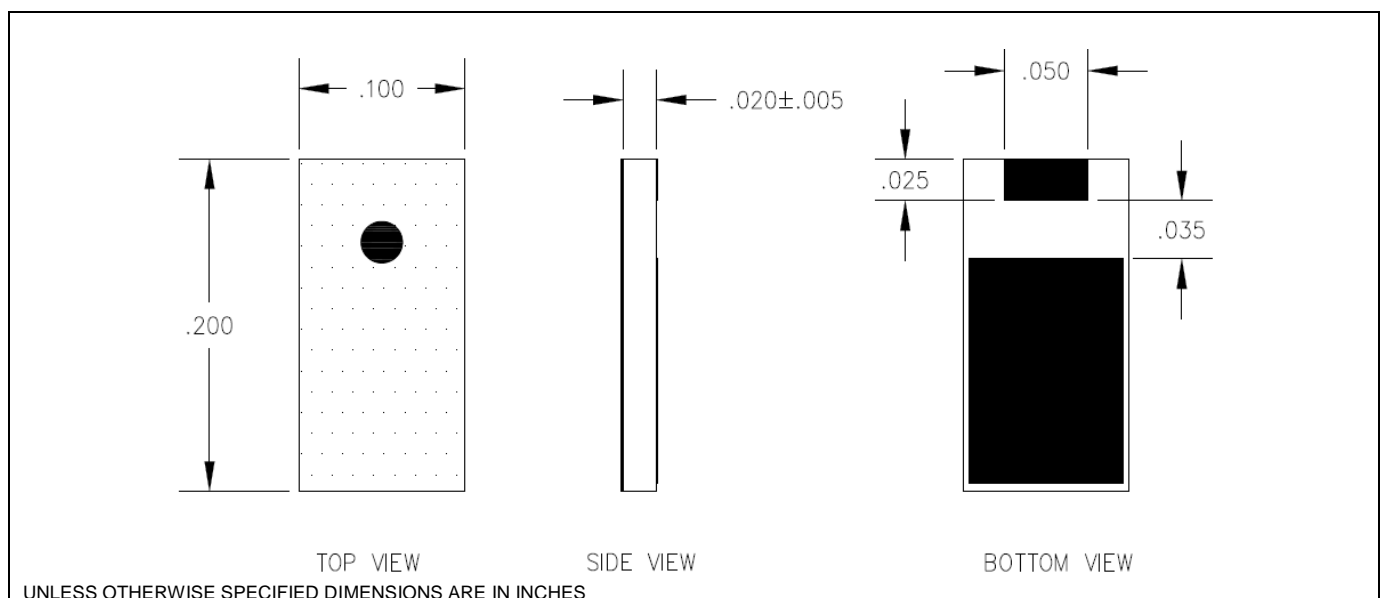
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AIN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-50 to +150°C (see de rating chart)

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

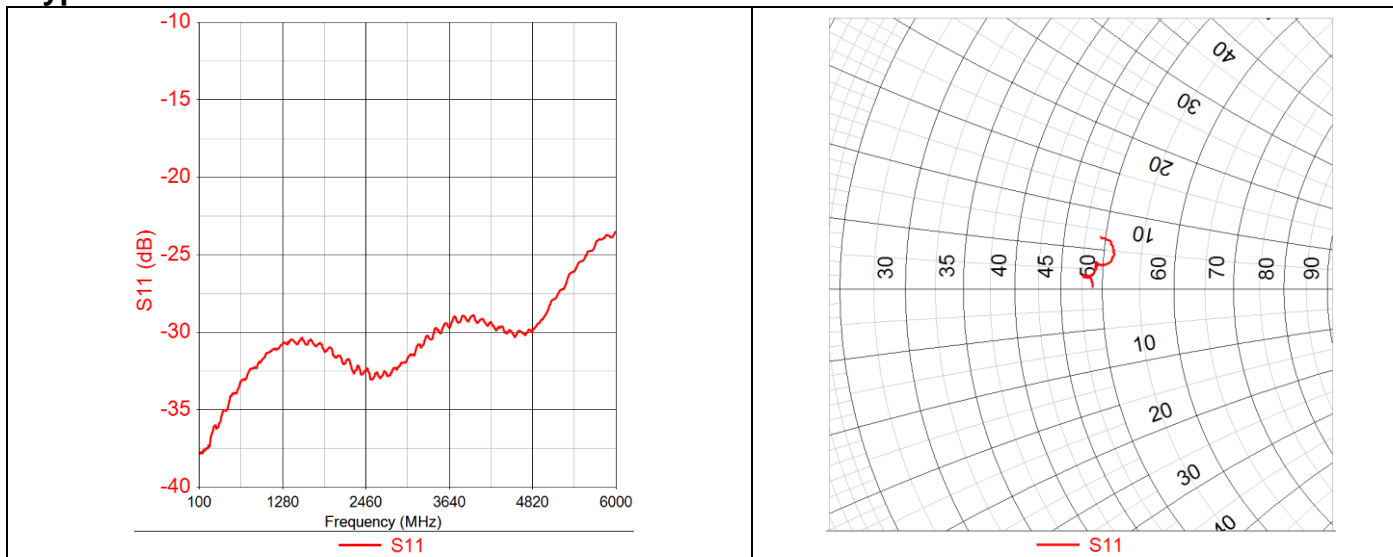
#### Electrical Specifications

<b>Power:</b>	45 Watts
<b>Frequency Range:</b>	DC – 6.0 GHz
<b>Return Loss:</b>	>20 dB

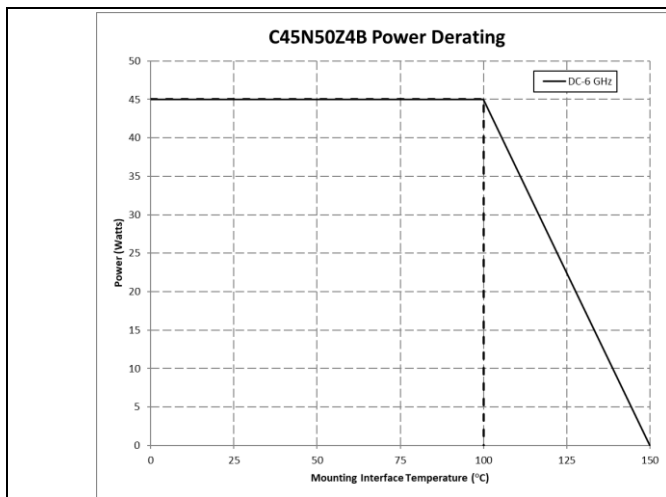
#### Outline Drawing



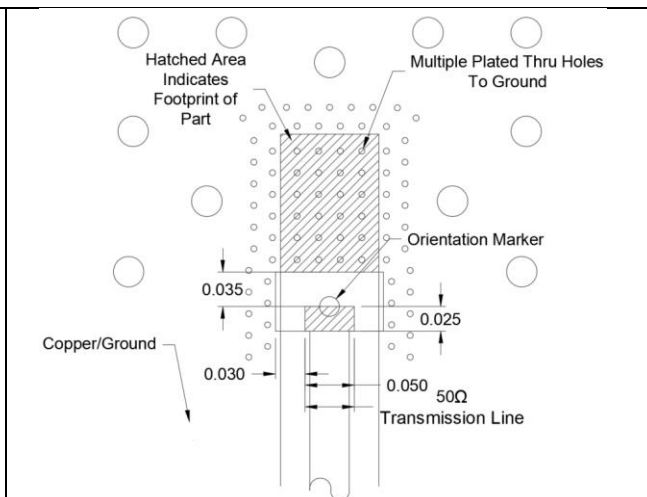
## Typical Performance:



## Power De-rating:



## Mounting Footprint and Procedure:



## Tape and Reel

