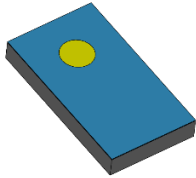


Surface Mount Termination 45 Watts



Description

The C45N50Z4 is a high performance AlN 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
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low Return Loss
- 100% Tested
- Small Size

General Specifications

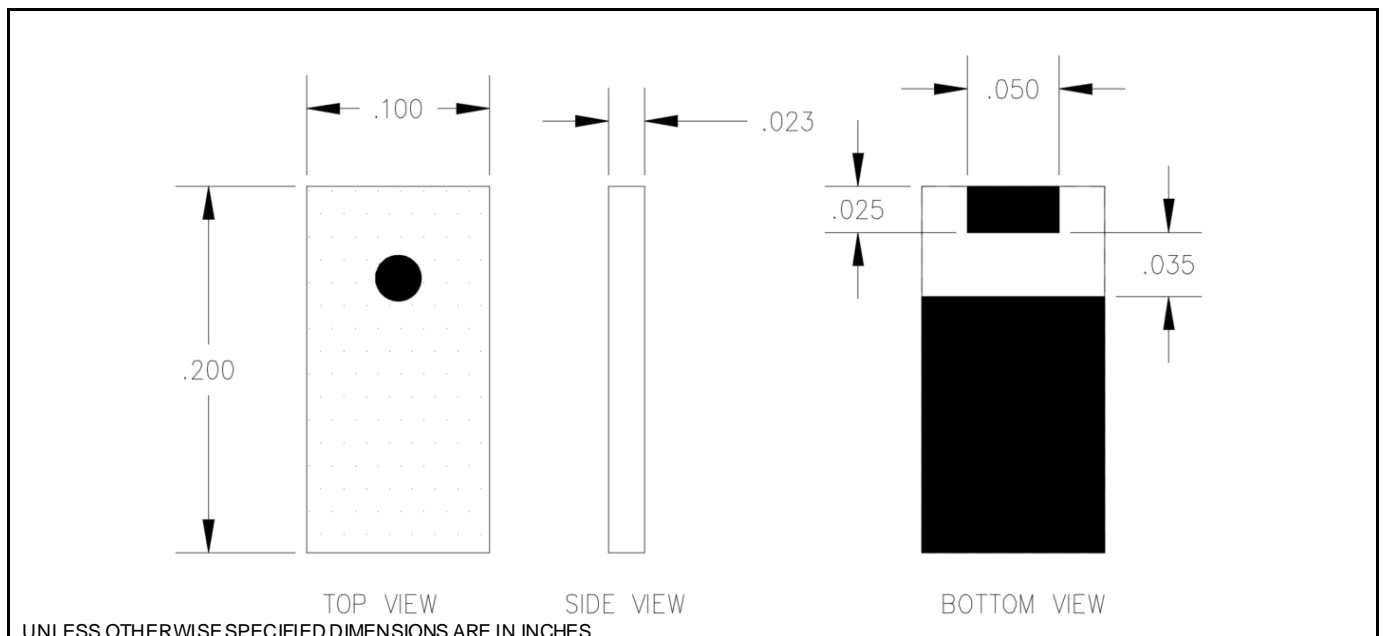
Resistive Element	Thick film
Substrate	AlN Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-50 to +150°C (see de rating chart)

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

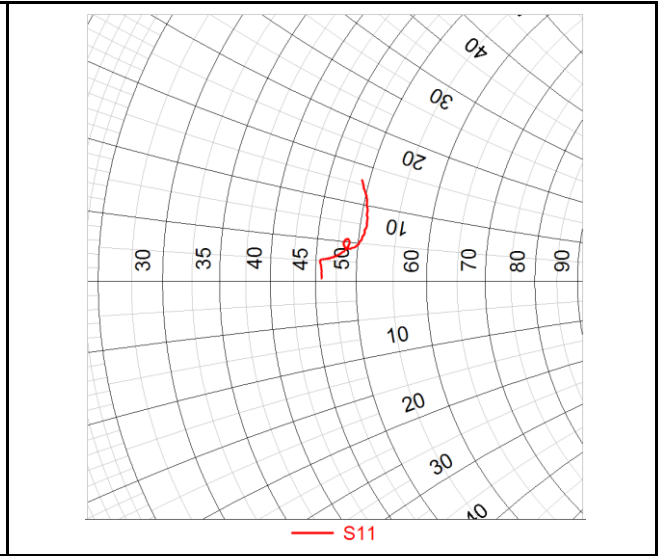
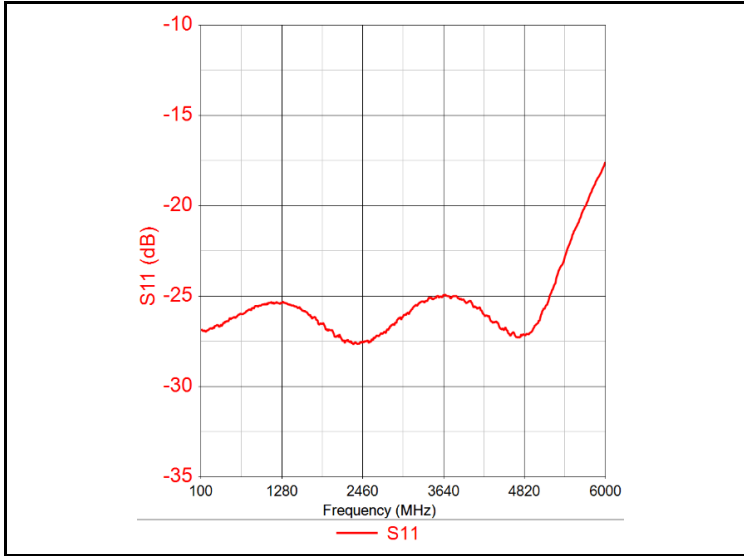
Electrical Specifications

Power:	45 Watts
Frequency Range:	DC – 6.0 GHz
Return Loss:	>20 dB DC – 5.0 GHz >15 dB 5.0 – 6.0 GHz

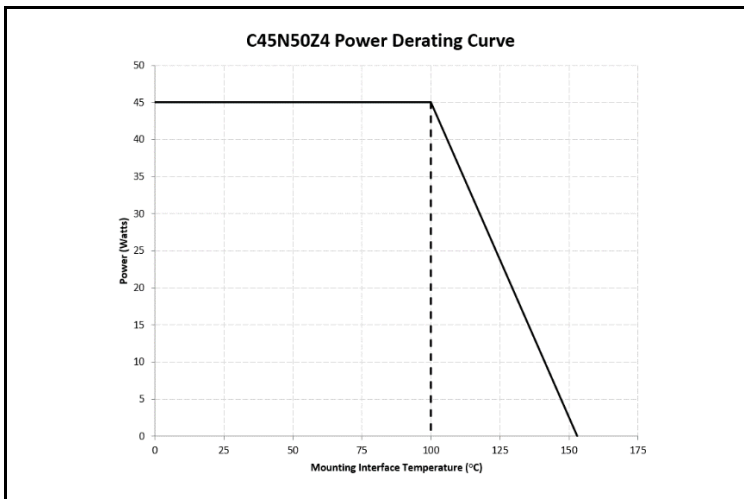
Outline Drawing



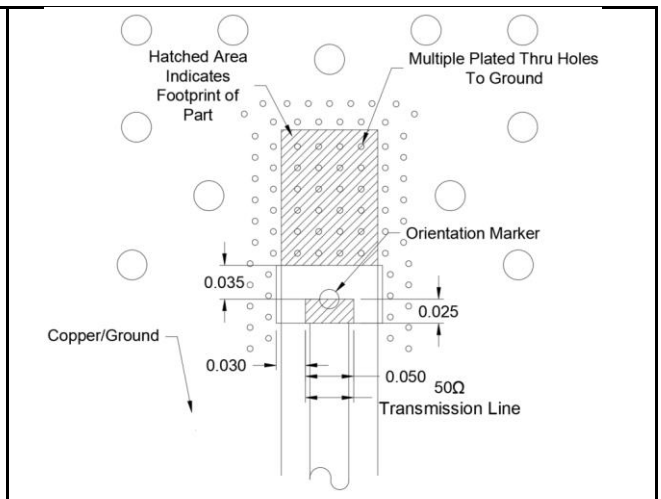
Typical Performance:



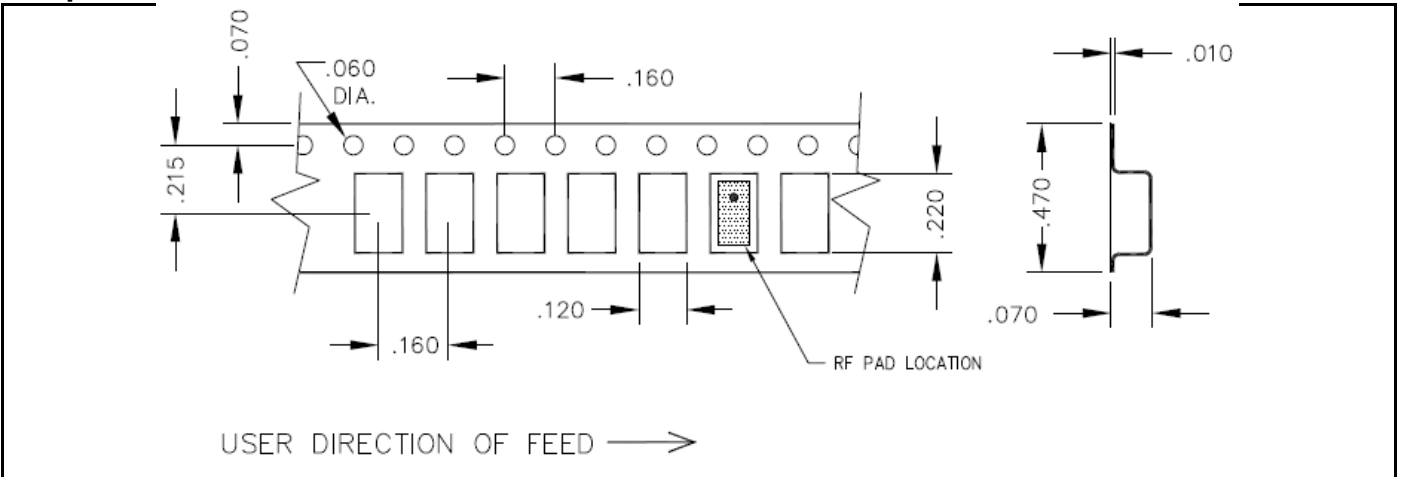
Power De-rating:



Mounting Footprint and Procedure:



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