

**Surface Mount Termination**  
**12 Watts, 50Ω**



**Features:**

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

**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!

**General Specifications:**

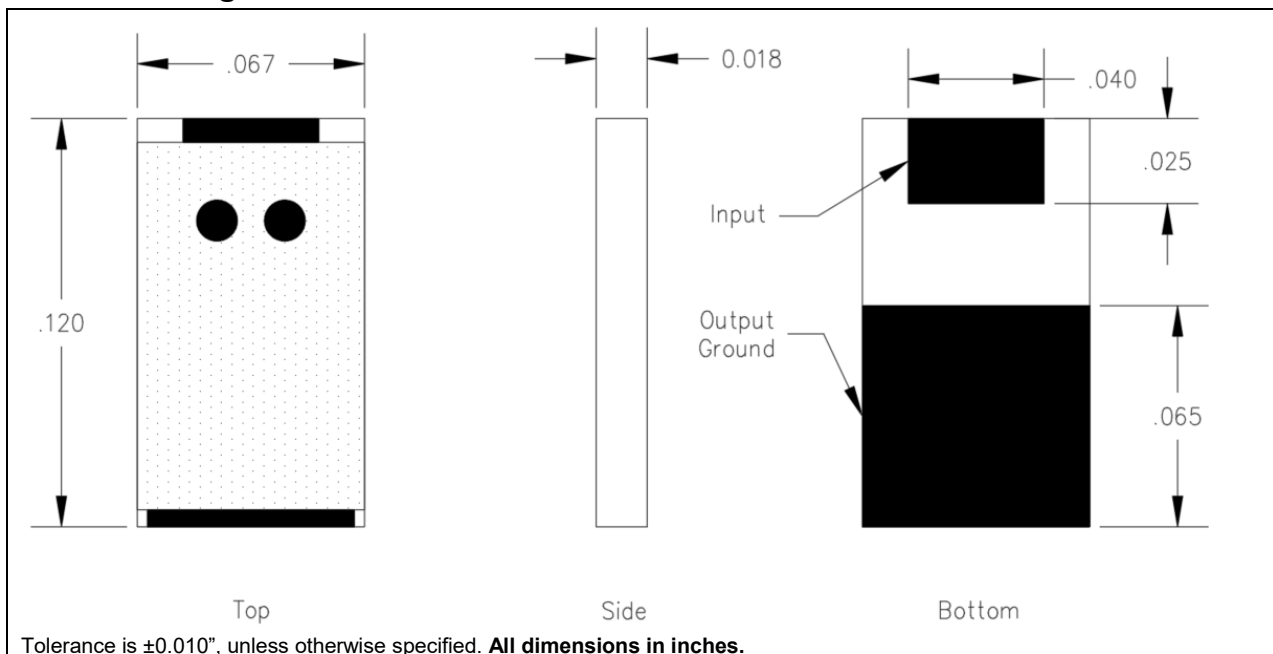
<b>Resistive Element</b>	Thick film
<b>Substrate</b>	AIN Ceramic
<b>Terminal Finish</b>	Matte Tin over Nickel Barrier
<b>Operating Temperature</b>	-55 to +150°C (see de rating chart)

**Electrical Specifications:**

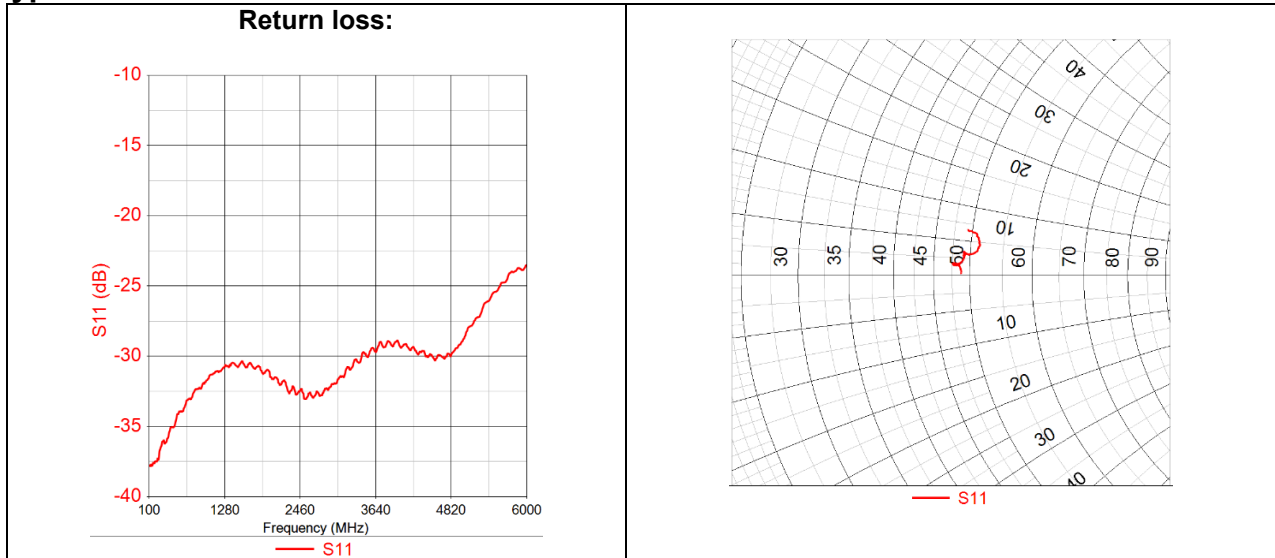
<b>Power:</b>	12 Watts
<b>Frequency Range:</b>	DC – 6.0 GHz
<b>Return Loss</b>	>20 dB

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

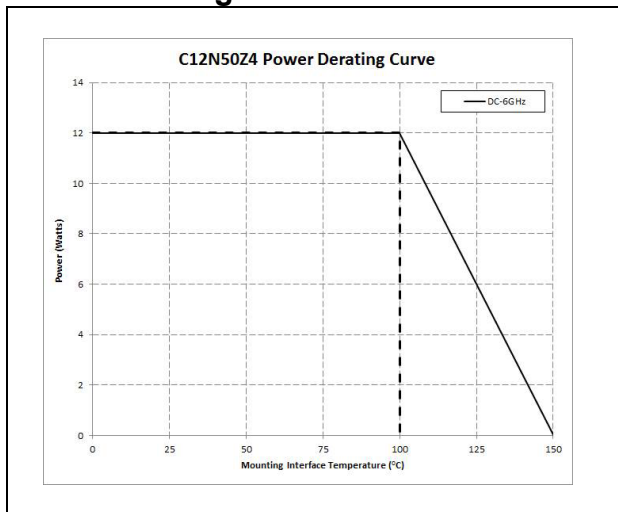
**Outline Drawing:**



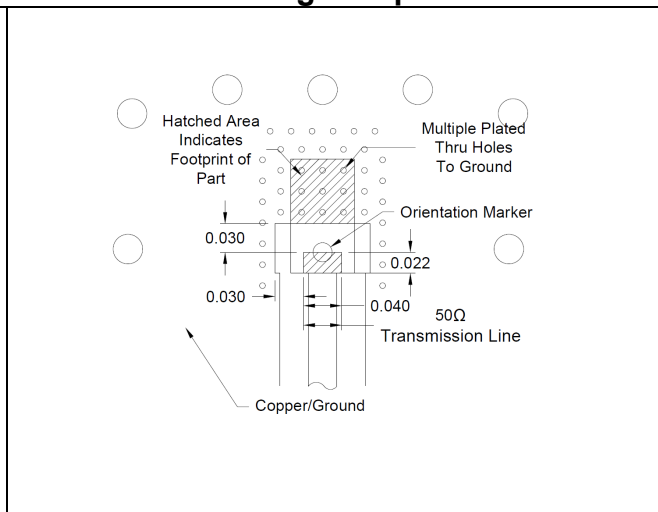
**Typical Performance:**



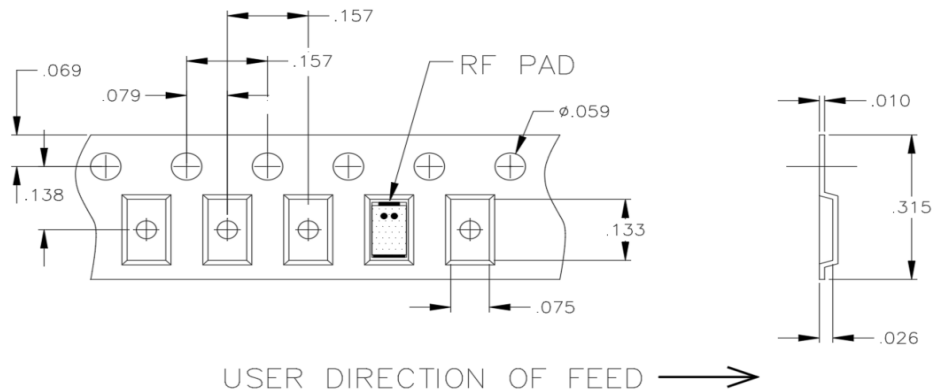
**Power de-rating:**



**Mounting Footprint:**



**Tape & Reel:**



**Contact us:**  
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