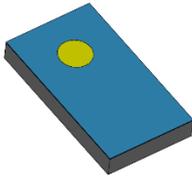


**Surface Mount Termination**  
**50 Watts, 50Ω**



**Features:**

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

**Description:**

The C45N50Z4 is a high performance AIN surface mount termination. The termination is well suited to all sub-6GHz mobile infrastructure frequency bands as well as general termination applications in all end markets from DC – 6GHz. The high power handling makes the part ideal for terminating high power Xinger 90 degree couplers, Xinger directional couplers used in microstrip circuits. The termination is fully 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>	-50 to +150°C (see de rating chart)

**Electrical Specifications:**

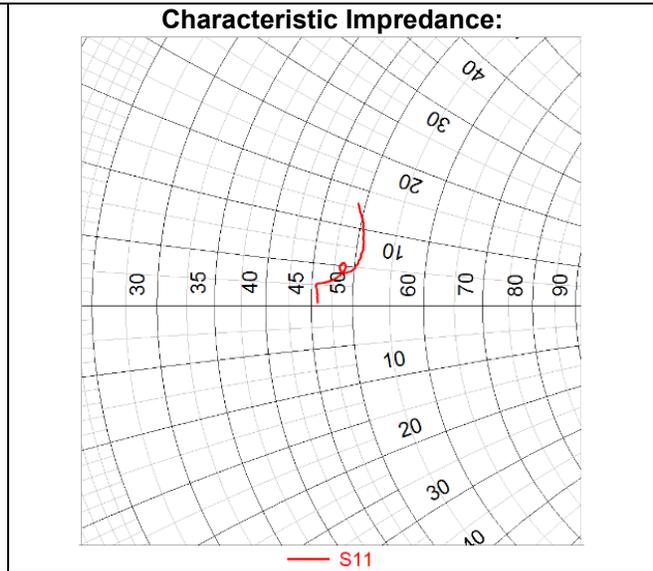
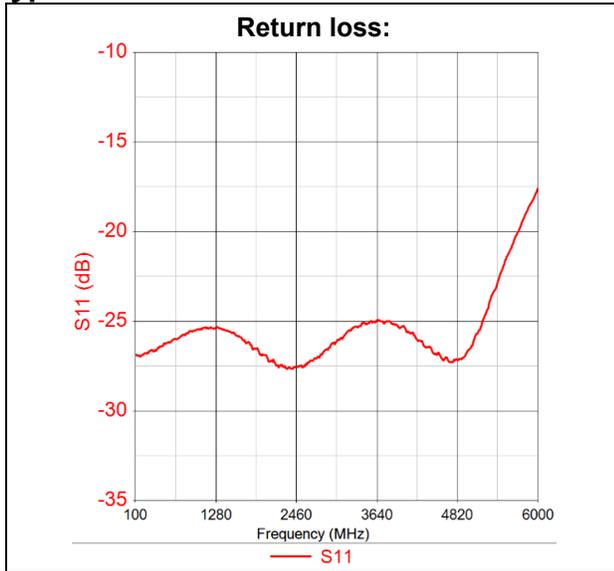
<b>Power:</b>	50 Watts (avg CW @ 100°C)
<b>Frequency Range:</b>	DC – 6.0 GHz
<b>Return Loss:</b>	>20 dB DC – 5.0 GHz >15 dB 5.0 – 6.0 GHz

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

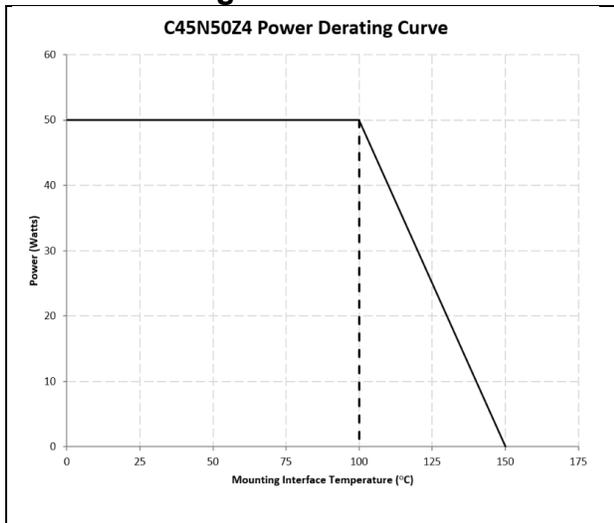
**Outline Drawing:**



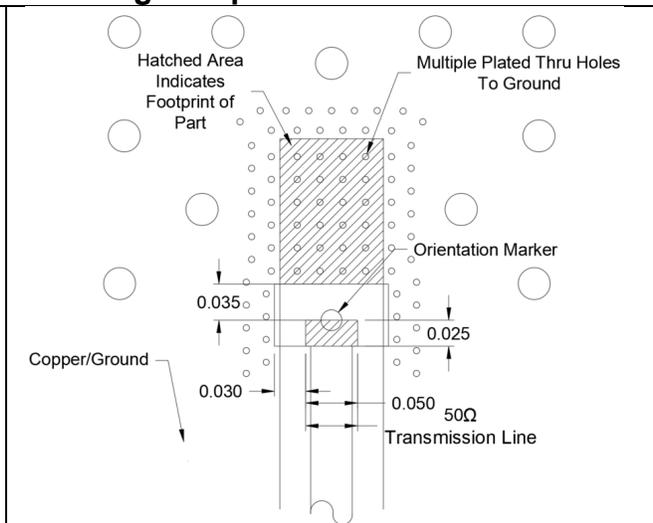
**Typical Performance:**



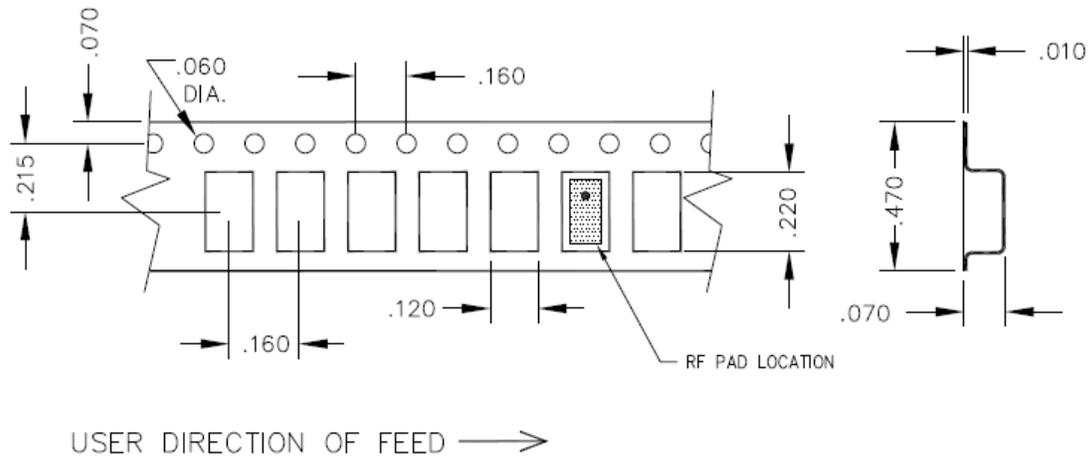
**Power De-rating:**



**Mounting Footprint:**



**Tape & Reel:**



Contact us:  
[rf&s\\_support@ttm.com](mailto:rf&s_support@ttm.com)