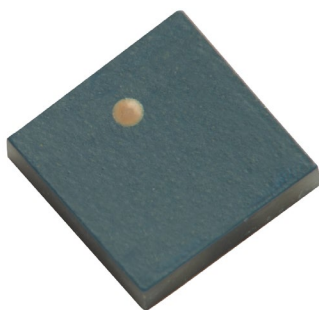


Surface Mount Termination 100 Watts, 50Ω



Features:

- RoHS Compliant
- 100 Watts
- DC –5 GHz
- AlN Ceramic
- LTE & 5G
- Low VSWR
- 100% Tested
- Small Size

Description:

The C100N50Z4B is high performance Aluminum Nitride (AlN) surface mount termination intended as a cost competitive alternative to Beryllium Oxide (BeO). The termination is designed particularly for LTE and 5G wireless communication frequency bands. 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:

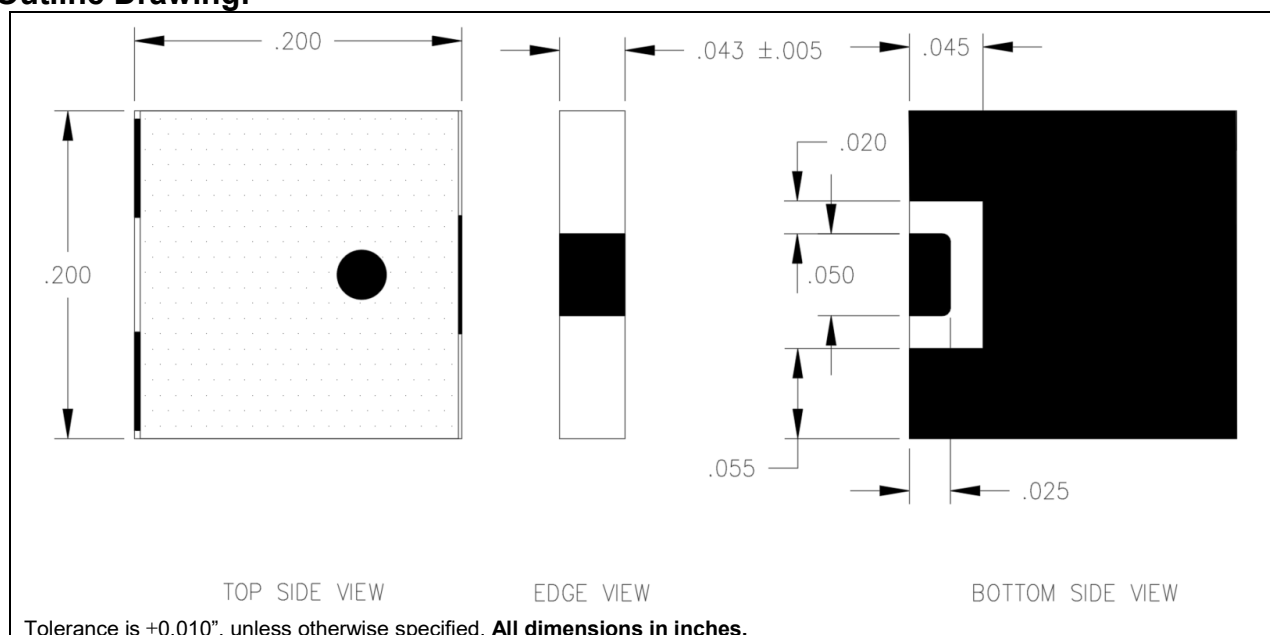
Resistive Element	Thick film
Substrate	AlN Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-55 to +150°C (see de rating chart)

Electrical Specifications:

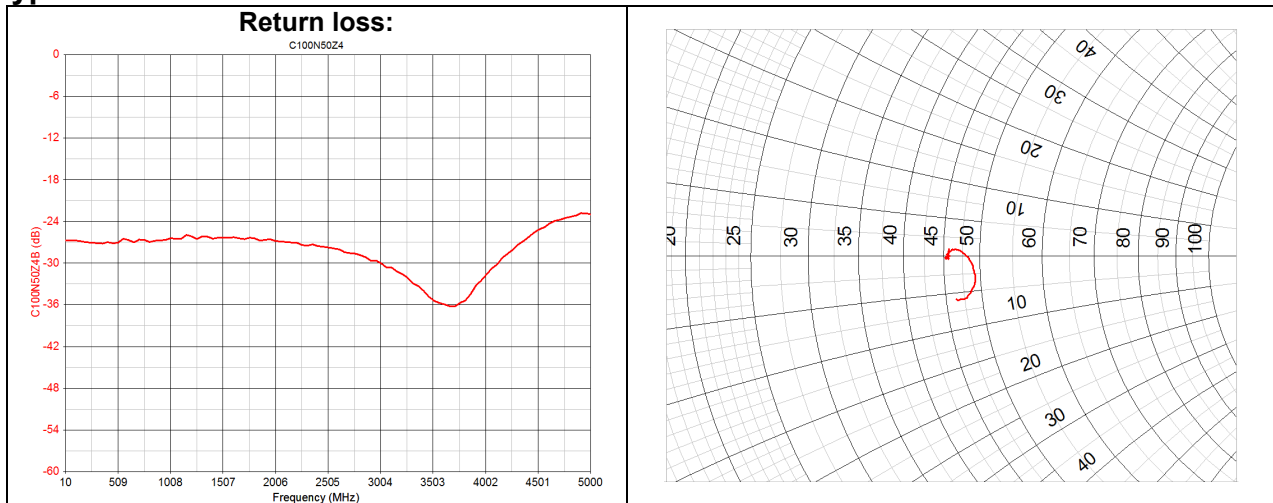
Power:	100 Watts
Frequency Range:	DC – 5.0 GHz
Return Loss	>20 dB DC - 5.0 GHz

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

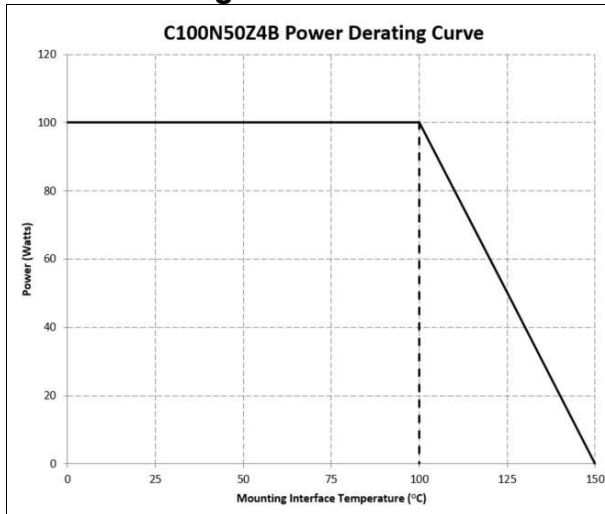
Outline Drawing:



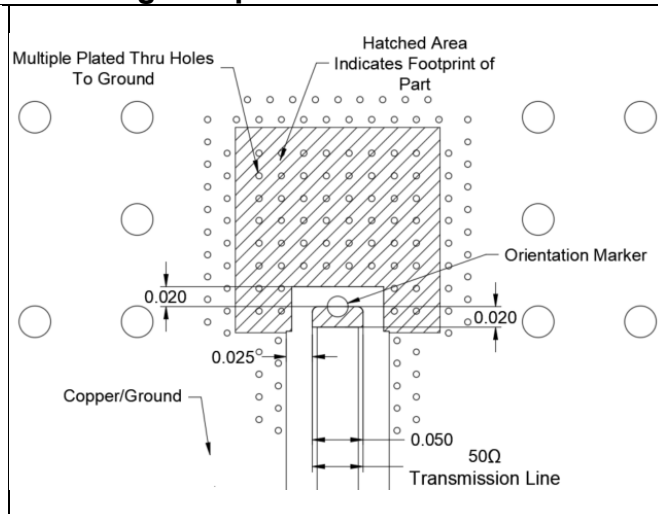
Typical Performance:



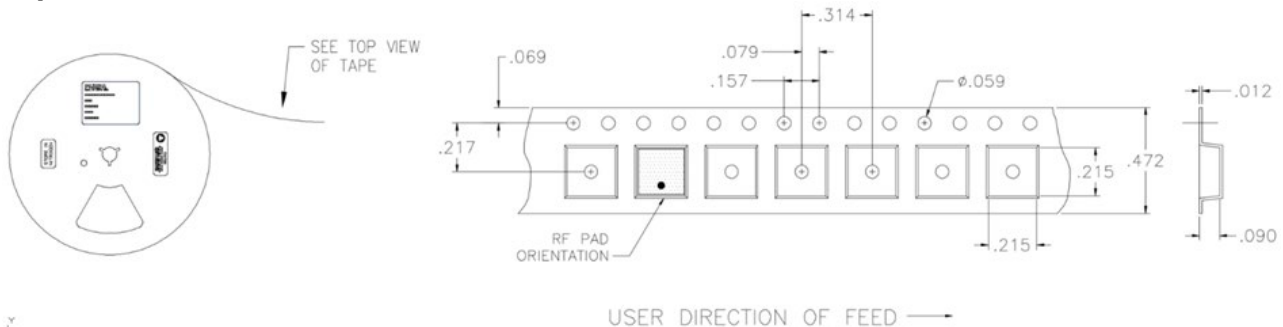
Power de-rating:



Mounting Footprint:



Tape & Reel:



Contact us:
rf&s_support@ttm.com

Mouser Electronics

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