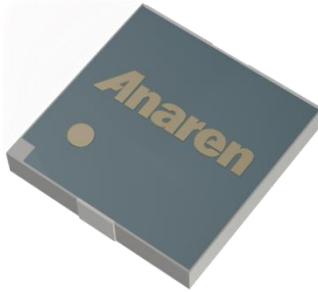


Surface Mount Termination
150 Watts, 50Ω



Description:

The C150N50Z4 is high performance 150 Watt (AVG) Aluminum Nitride (AlN) surface mount termination with a peak to average power rating of 12dB. The termination is intended as a cost competitive alternative to Beryllium Oxide (BeO), and is well suited to all frequency bands in Telecom, COTS Mil-Aero and Renewable Energy. The high power handling makes the part ideal for terminating high power Xinger 90 degree couplers and for use in microstrip circuits. The termination is also RoHS compliant!

Features:

- DC – 4.1 GHz
- Power 150 W (AVG)
- Peak to average Ratio 12dB
- Telecom, COTS Mil-Aero and Renewable Energy
- RoHS Compliant
- AlN Ceramic
- Non-Nichrome Resistive Element
- Low VSWR
- 100% Tested

General Specifications:

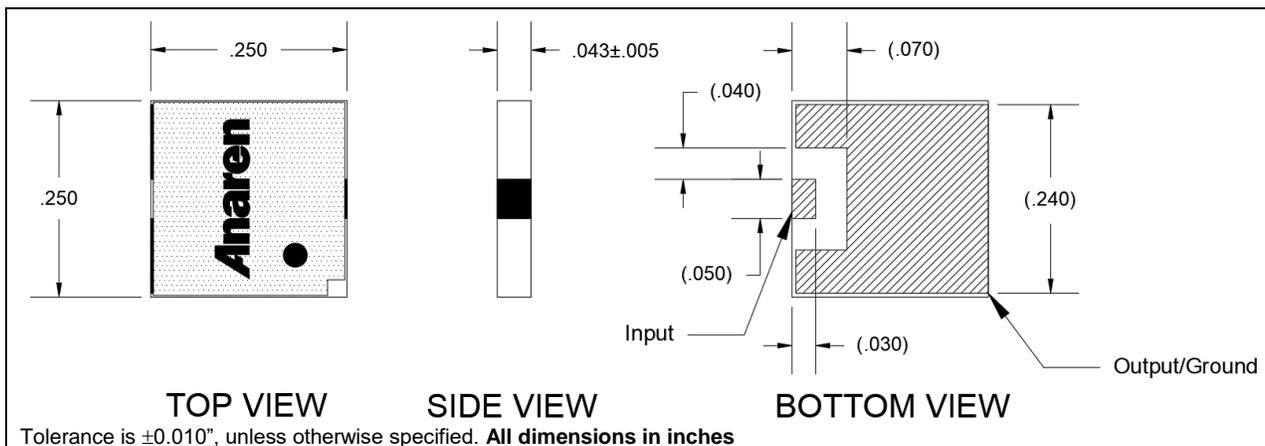
Resistive Element	Thick film
Substrate	AlN Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-50 to +150°C (see de rating chart)

Electrical Specifications:

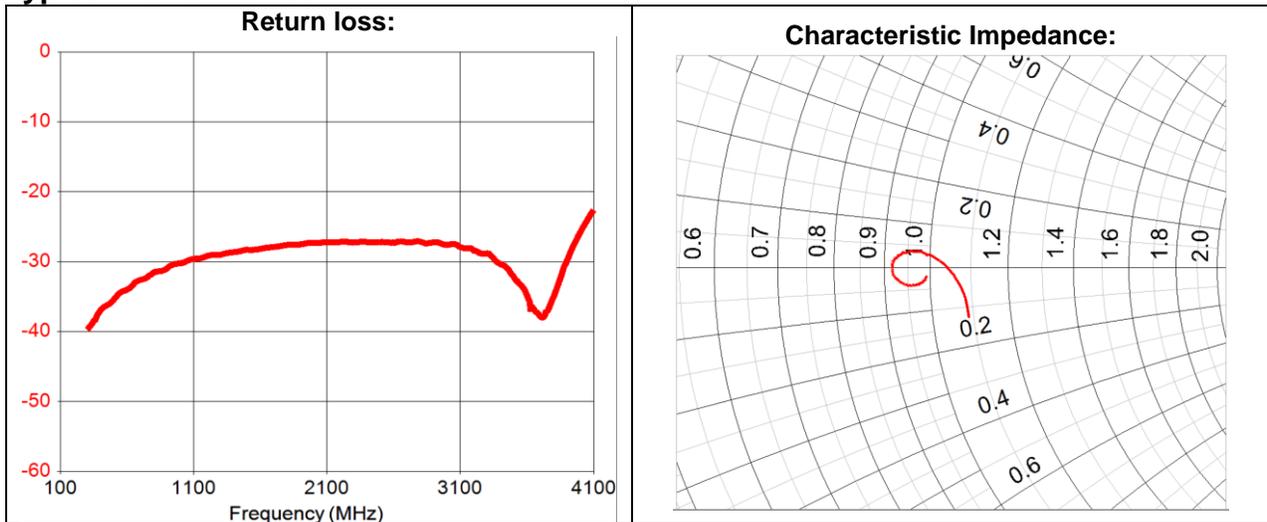
Resistance Value:	50 Ohms, ± 2%
Power:	150 Watts (Avg Watts @ 100°C)
Frequency Range:	DC – 4.1 GHz
Return Loss	>24 dB DC - 2.7 GHz >20 dB 2.7 - 4.0 GHz >18 dB 4.0 - 4.1 GHz

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

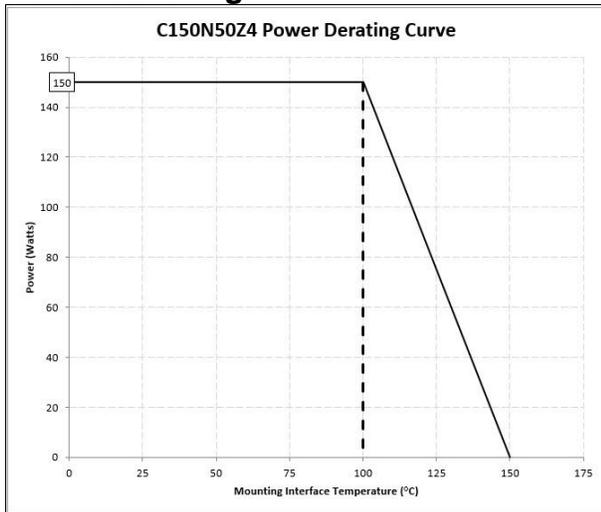
Mechanical Outline:



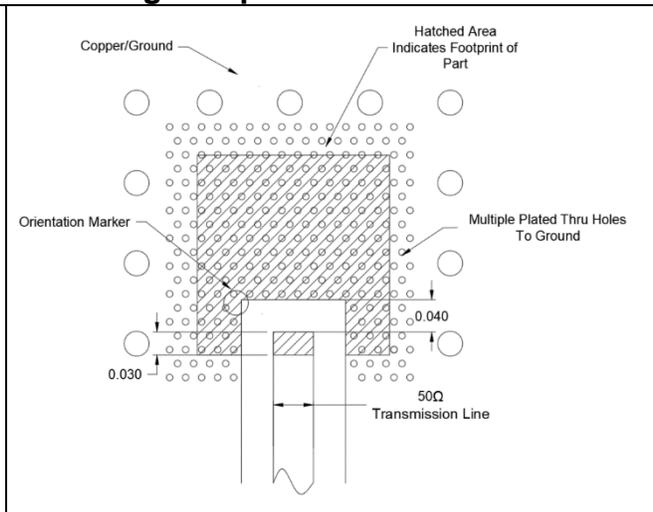
Typical Performance:



Power de-rating:

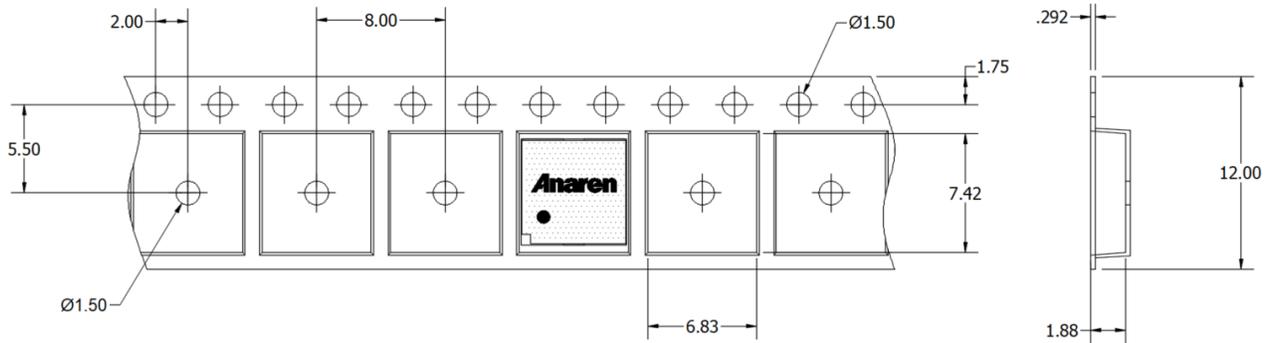


Mounting Footprint:



Packaging and Ordering Information:

Parts are available in reel and are packaged per EIA 481. Parts are oriented in tape and reel as shown below. Minimum order quantities are 1,000 per reel.



Dimensions are in Millimeters

Direction of Part Feed (Unloading)

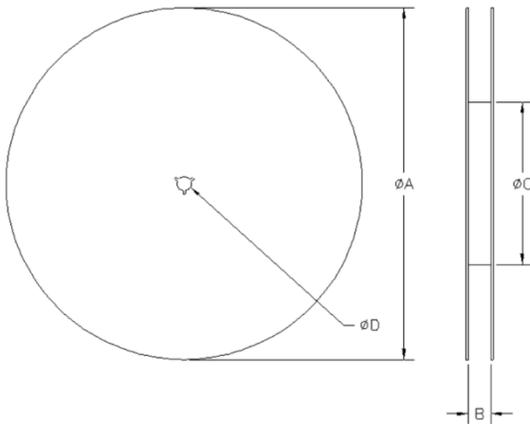


TABLE 1	
REEL DIMENSIONS (mm)	
ØA	177.8
B	12.0
ØC	50.8
ØD	13.0

Contact us:
rf&s_support@ttm.com