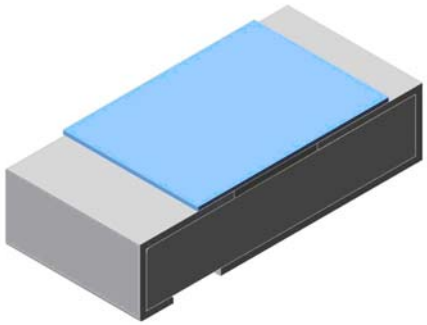
Model C20N50Z4

Surface Mount Termination

20 Watts, 50Ω



Description

The C20N50Z4 is high performance Aluminum Nitride (AlN) surface mount termination intended as a cost competitive alternative to Beryllium Oxide (BeO). 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**
- **20 Watts**
- **DC - 2.3 GHz**
- **AlN Ceramic**
- **Non-Nichrome Resistive Element**
- **Low VSWR**
- **100% Tested**
- **Small Size**

General Specifications

Resistive Element	Thick film
Substrate	AlN Ceramic
Terminal Finish	Matte Tin over Nickel Barrier
Operating Temperature	-50 to +200°C (see de rating chart)

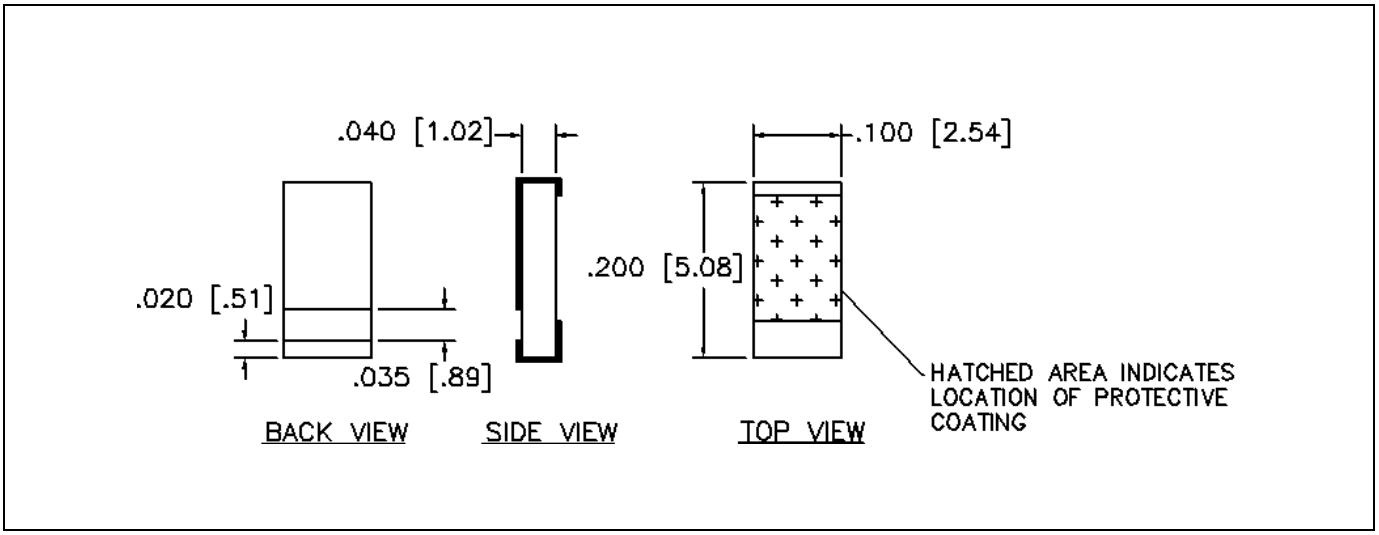
Tolerance is ±0.010", unless otherwise specified. Designed to meet of exceed applicable portions of MIL-E-5400. **All dimensions in inches.**

Electrical Specifications

Resistance Value:	50 Ohms, ± 2%
Power:	20 Watts
Frequency Range:	DC – 2.3 GHz
Return Loss	>20 dB to 2.3 GHz

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

Outline Drawing



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What'll we think of next?™

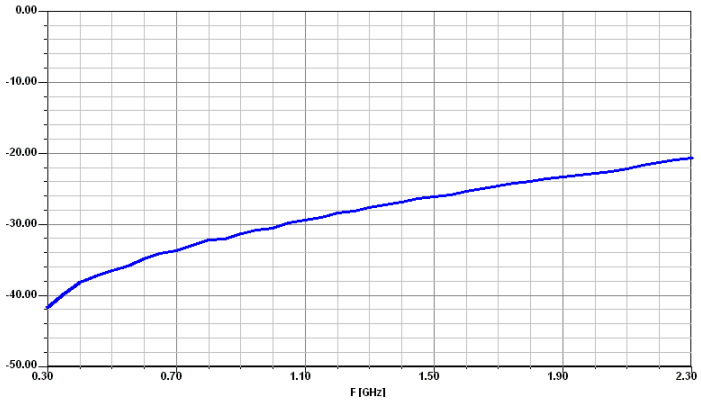


Available on Tape and Reel For Pick and Place Manufacturing.

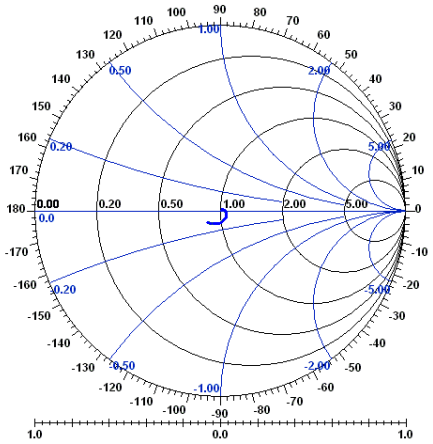
USA/Canada: (315) 432-8909
Toll Free: (800) 544-2414
Europe: +44 2392-232392

Typical Performance:

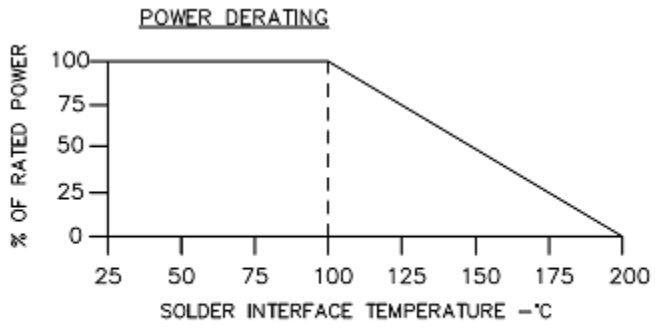
C20N50Z4



C20N50Z4

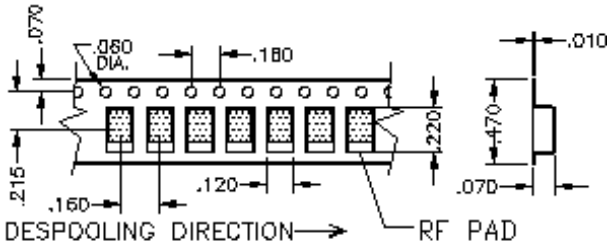


Power De-rating:



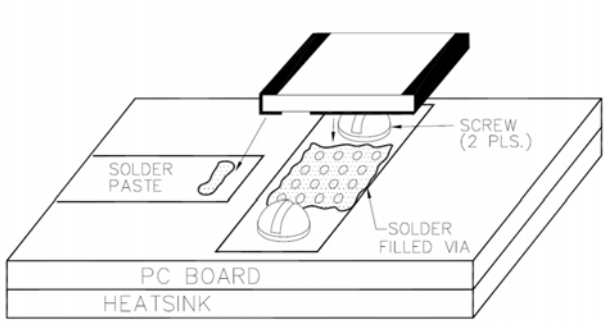
*Actual performance could be limited by the solder properties in the application

Tape & Reel [Available]:



3
TAPE DETAIL & RF PAD ORIENTATION
SCALE: NONE

Mounting Footprint and Procedure:



MOUNTING PROCEDURE

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Toll Free: (800) 544-2414
Europe: +44 2392-232392

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