

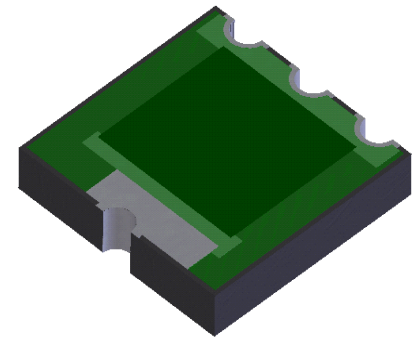
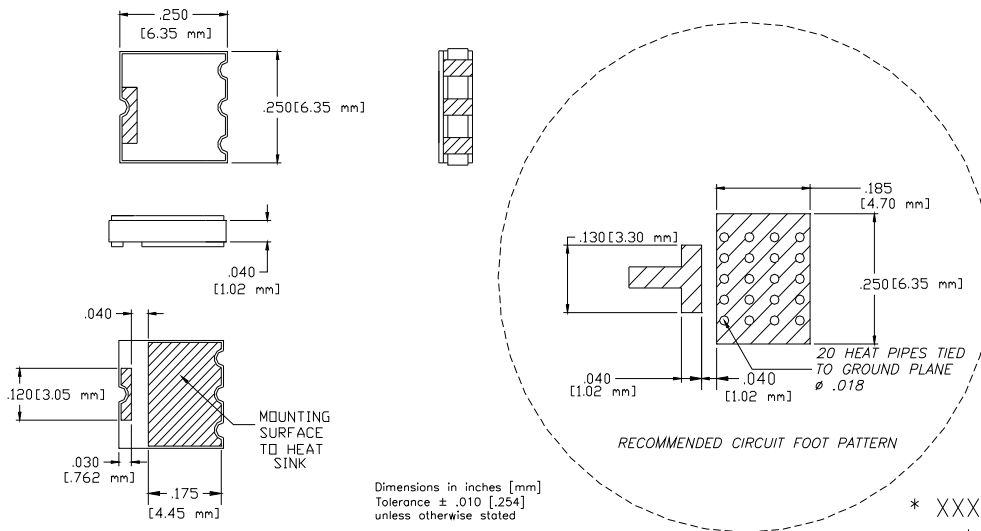
## ALUMINUM NITRIDE CHIP TERMINATION

### Features:

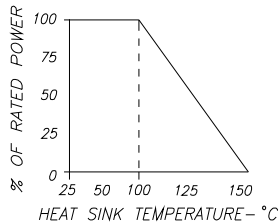
- ◆ Aluminum Nitride Material
- ◆ DC - 3 GHz Performance
- ◆ 100 Watt Input Power
- ◆ Surface Mountable
- ◆ CT - Matte Tin over Nickel over Silver

### General Description:

The TZC2525CT-XXXX\*JN-2T-02 is an Aluminum Nitride surface mountable chip termination. It has an input power rating of 100 watts, while maintaining a constant mounting surface temperature of 100°C. It offers a frequency range from DC to 3 GHz.



DERATING CURVE:



\* XXXX = Resistance Value in Ohms

Ohms

- 1 .....1R00 Sample part number:
- 10.....10R0 TZC2525CT-50R0JN-2T-02
- 50.....50R0
- 100...1000
- 150...1500
- 1K.....1001

Parameter	Min.	Typ.	Max.	Units
Pulse Width = 5 microseconds, Duty <.05%			7.5 Peak	Kw
Pulse Width = 50 microseconds, Duty < 5%			1 Peak	Kw
Frequency Range	DC		3	GHz
Return Loss	20			dB
Input Power			100	Watts
Heat Sink Temperature			100	°C

Barry Industries reserves the right to change part number and or process without notification.

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Barry Industries maintains an ISO 9001 Certified Quality Management System

Origination Date	Revision Date	Rev.
08/16/04	04/14/10	E