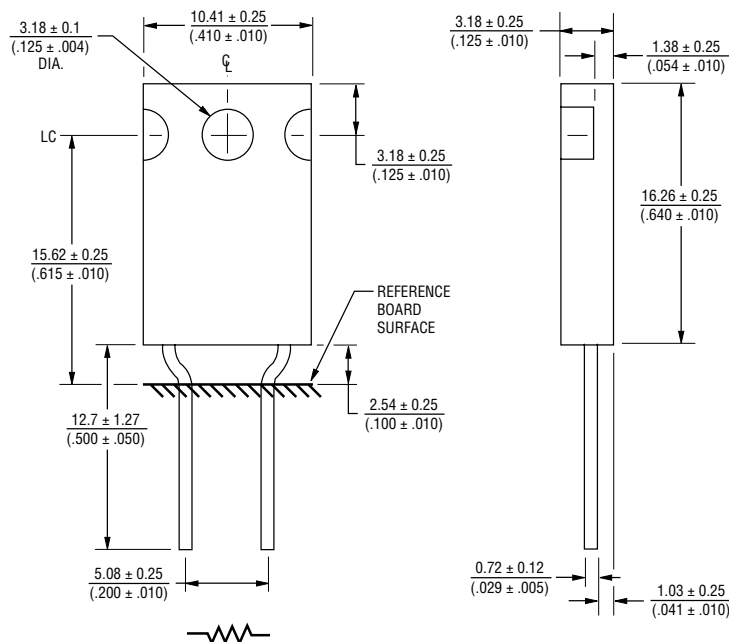


PWR221T-30 Series Power Resistor

BOURNS®

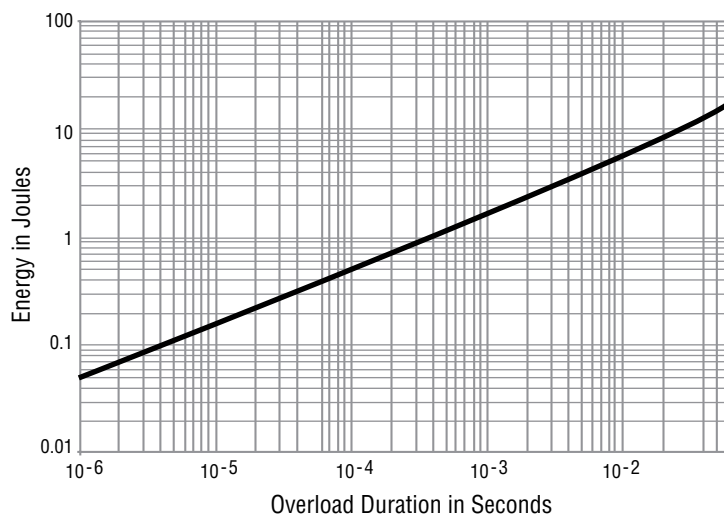
Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

TOLERANCE: $\pm \frac{0.38}{(0.015)}$ UNLESS OTHERWISE NOTED

Pulse Power Rating



The energy absorbed by the resistor expressed in Joules can be calculated by multiplying the peak power of the pulse in watts times the length of the pulse in seconds.

The energy should not exceed the limits shown in the graph. The overload voltage should not exceed 1.5 times the maximum operating voltage.

How to Order

PWR 221 T - 30 - 10R0 F

Model _____
 PWR = Power Resistor
 Package _____
 221 = TO-220 Style
 Pin Style _____
 T = Through-hole
 Power _____
 30 = 30 W
 Resistance Value _____
 <100 ohms ... "R" represents decimal point (examples: 7R50 = 7.5 Ω ; R500 = 0.5 Ω)
 $\geq$ 100 ohms.... First three digits are significant, fourth digit represents number of zeros to follow (examples: 2000 = 200 ohms; 3002 = 30K ohms)
 Absolute Tolerance _____
 J = 5 %
 F = 1 %

Specifications are subject to change without notice.

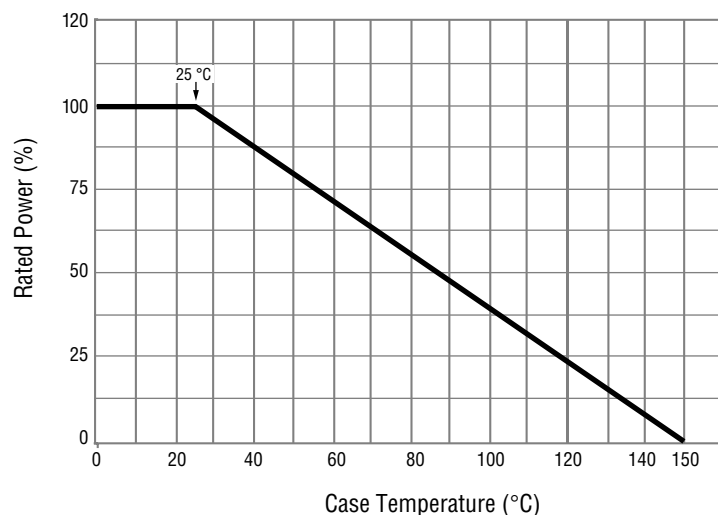
Users should verify actual device performance in their specific applications.

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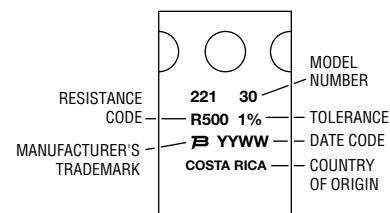
PWR221T-30 Series Power Resistor

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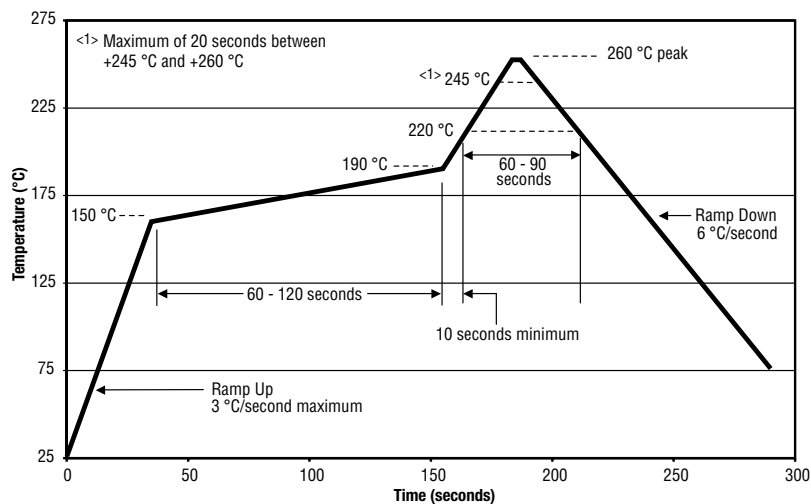
Power Derating Curve



Typical Part Marking



Soldering Profile



Power dissipation is 2.8 W at an ambient temperature of 25 °C when mounted on a double-sided copper board using FR4 standard, 70 μ m of copper, 39 x 30 x 1.6 mm.

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