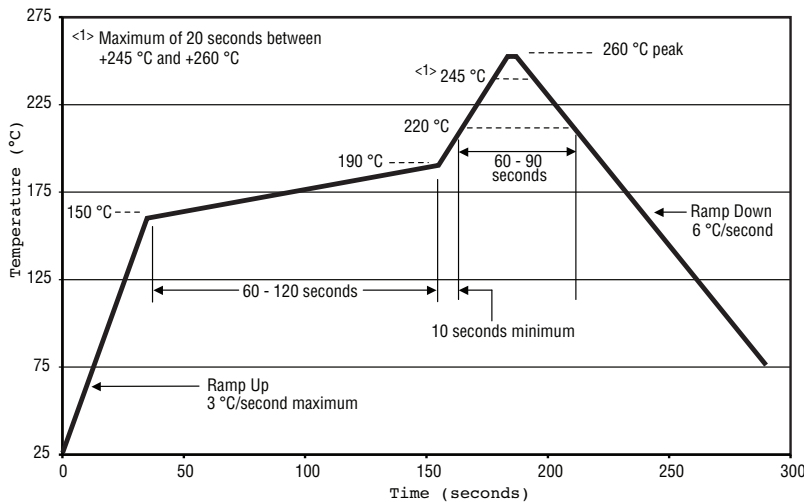


PWR163 Series Power Resistor

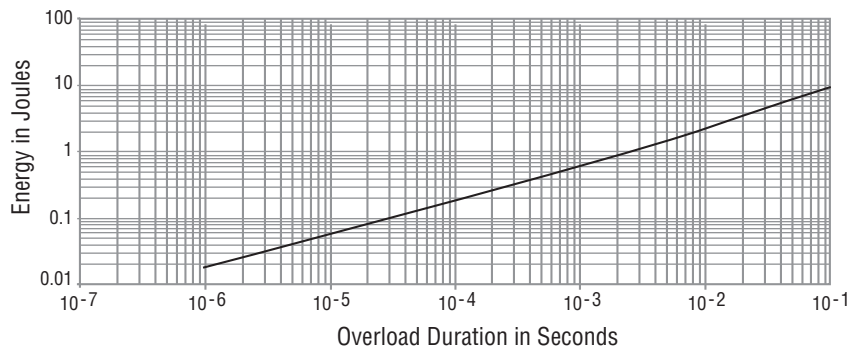
BOURNS®

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.

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.

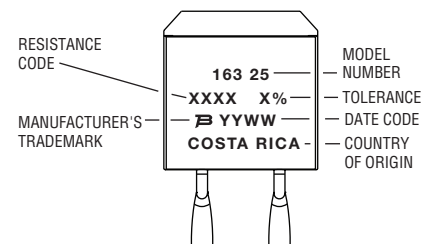
The energy should not exceed the limits shown in the graph. The overload voltage should not exceed 1.5 times the maximum operating voltage.

How to Order

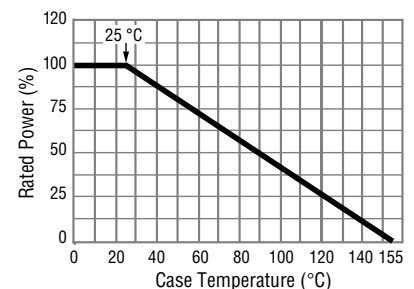
PWR 163 S - 25 - 10R0 J E

Model _____
PWR = Power Resistor
Package _____
163 = DPAK Style
Pin Style _____
S = Surface Mount
Power _____
25 = 25 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 %
Packaging _____
E = Tape & Reel
Blank = Tubes

Typical Part Marking



Derating Curve



Specifications are subject to change without notice.

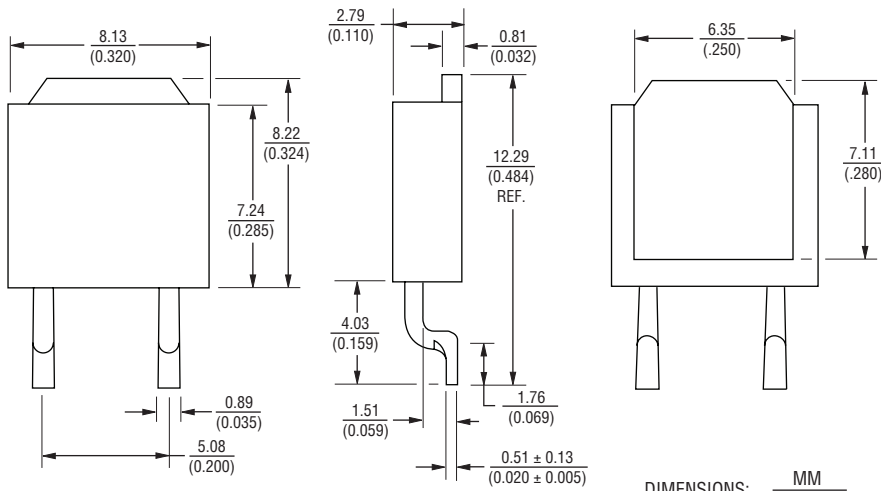
Users should verify actual device performance in their specific applications.

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PWR163 Series Power Resistor

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Product Dimensions



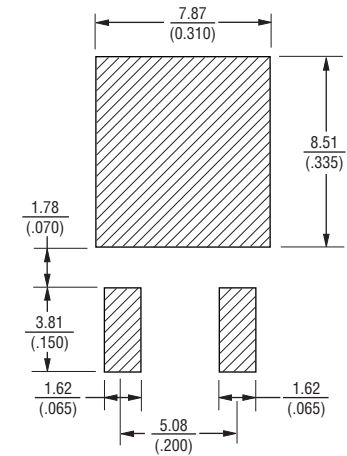
BACKPLANE ELECTRICALLY ISOLATED

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

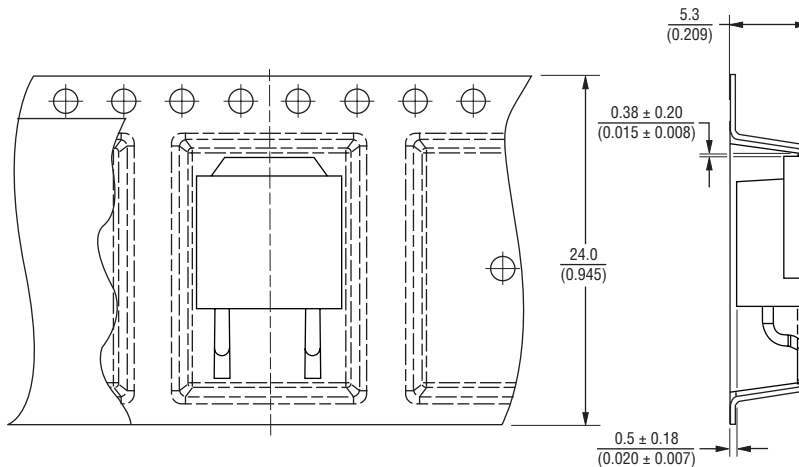
TOLERANCE: $\frac{\pm 0.38}{(\pm 0.015)}$ UNLESS OTHERWISE NOTED

LEAD COPLANARITY: $\frac{\pm 0.102}{(\pm 0.004)}$ MAX. AT MOUNTING SURFACE

Recommended Pad Layout



Packaging Specifications



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

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

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Users should verify actual device performance in their specific applications.

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