

BOURNS®

The graph illustrates a thermal profile with the following phases and parameters:

- Temperature Rising Area:** 0 to 50 seconds, heating rate of +4.0 °C/Sec. Max.
- Preheat Area:** 50 to 140 seconds, temperature range 150-200 °C, duration 60-120 Sec.
- Reflow Area:** 140 to 210 seconds, heating rate of +3.0 °C/Sec. Max.
- Forced Cooling Area:** 210 to 250 seconds, cooling rate of -(1.0-5.0) °C/Sec. Max.

Key temperature points and durations:

- Peak Temperature: 260 °C
- Reflow Temperature: 217 °C
- Time above 217 °C: 60-150 Sec.
- Reflow duration: 60 Sec. Max.
- Preheat duration: 60-120 Sec.

Additional parameters:

- Reflow: 2 times max.
- Peak Temp.: 260 °C max.
- Max. Peak Temp. -5 °C: 30 sec. max.
- Max. Time Above 217 °C: 60-150 sec. max.

Technical drawing of a 4R7 resistor showing top, side, and end views with dimensions in mm and inches.

Top View Dimensions:

- Overall width: 330 (12.992) DIA.
- Inner diameter: 2.0 ± 0.5 (0.079 ± .020)
- Inner diameter: 21.0 ± 0.8 (0.827 ± .031)
- Inner diameter: 13.5 ± 0.5 (0.531 ± .020) DIA.

Side View Dimensions:

- Top thickness: 17.2 (0.677)
- Inner diameter: 13.5 ± 0.5 (0.531 ± .020) DIA.
- Height: 99.5 (3.917)
- Bottom thickness: 12.6 (0.496)

End View Dimensions:

- THICKNESS: 0.10 (0.004) MAX.
- EMBOSSED CAVITY
- EMBOSSED CARRIER

Bottom View Dimensions:

- Overall width: 1.75 (0.069)
- Height: 5.5 (0.217)
- Overall height: 12.0 (0.472)
- Inner diameter: 1.5 ± 0.1 / -0.0 (0.059 ± .004 / -.000) DIA.
- Inner diameter: 4.5 (0.177)
- Inner diameter: 8.0 (0.315)
- Inner diameter: 1.5 (0.059) DIA.
- Inner diameter: 4.35 (0.171)
- Inner diameter: 1.9 (0.075)
- Inner diameter: 2.0 ± 0.05 (0.079 ± .002)
- Inner diameter: 4.0 (0.157)
- Inner diameter: 0.3 (0.012)
- Inner diameter: 4.5 (0.177)
- Inner diameter: 8.0 (0.315)
- Inner diameter: 1.5 (0.059) DIA.
- Inner diameter: 4.35 (0.171)
- Inner diameter: 1.9 (0.075)
- Inner diameter: 2.0 ± 0.05 (0.079 ± .002)
- Inner diameter: 4.0 (0.157)
- Inner diameter: 0.3 (0.012)

Bottom View Labels:

- NO COMPONENT 200 (7.874)
- COMPONENTS
- NO COMPONENT 400 (15.748)

Bottom View Orientation:

- USER DIRECTION OF FEED
- QTY: 3000 PCS. PER REEL

Dimensions: MM (INCHES)

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