

BOURNS®

Figure 1 is a log-log plot showing Core Loss (mW) versus Flux Density B_{p-p} (gauss). The y-axis (Core Loss) ranges from 0.001 to 10,000 mW, and the x-axis (Flux Density) ranges from 10 to 1,000 gauss. The plot displays six curves corresponding to different switching frequencies: 800 KHz, 500 KHz, 300 KHz, 200 KHz, 100 KHz, and 10 KHz. The curves show that core loss increases with both flux density and switching frequency. The 10 KHz curve is the lowest, while the 800 KHz curve is the highest.

Technical drawing of a 100 ohm resistor showing top, side, and end views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall diameter: 330 (12.99) DIA.
- Distance from center to lead hole center: 2.0 ± 0.5 (.079 \pm .020)
- Lead hole diameter: 13.0 (.512) DIA.
- Distance from center to resistor body center: 21.0 ± 0.8 (.827 \pm .031)

Side View Dimensions:

- Lead thickness: 30.4 (1.197)
- Resistor body thickness: 13.0 (.512) DIA.
- Distance from lead center to resistor body center: 50.0 (1.969)
- Lead width: 26 (1.024)

End View Dimensions:

- Thickness: 0.10 (.004) MAX.
- Embossed cavity width: 24.0 (.945)
- Embossed carrier width: 24.0 (.945)

End View Details:

- END and START arrows indicate orientation.
- Dimensions: 4.0 (.157) and 20.0 (.787).
- Labels: NO COMPONENT 200 (7.87), COMPONENTS, NO COMPONENT 400 (15.75).
- Arrows indicate USER DIRECTION OF FEED.
- QTY: 400 PCS. PER REEL

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