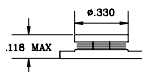
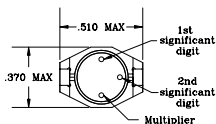


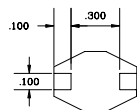
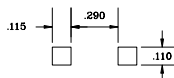
- Designed for use in DC-DC converters where high energy storage combined with low DCR is a requirement
- Suitable for auto assembly and compatible with reflow process to 240°C
- Useful in battery-powered and low voltage converters
- Rugged design features with an extended operating temperature range of -40°C to +85°C



MECHANICAL AND SCHEMATIC (All dimensions in inches)



SUGGESTED PAD LAYOUT



SCHEMATIC



ELECTRICAL SPECIFICATIONS @ 25°C

| Part Number | Inductance ¹ ($\mu\text{H} \pm 20\%$) | DCR (Ω MAX) | I_{sat} ² (A) | I_{rms} ³ (A) |
|-------------|---|------------------------|-------------------------------|-------------------------------|
| 8403-100 | 10.0 | 0.11 | 2.4 | 2.0 |
| 8403-150 | 15.0 | 0.15 | 2.0 | 1.5 |
| 8403-220 | 22.0 | 0.23 | 1.6 | 1.3 |
| 8403-330 | 33.0 | 0.30 | 1.4 | 1.1 |
| 8403-470 | 47.0 | 0.39 | 1.0 | 0.8 |
| 8403-680 | 68.0 | 0.66 | 0.9 | 0.7 |
| 8403-101 | 100.0 | 0.84 | 0.7 | 0.6 |
| 8403-151 | 150.0 | 1.2 | 0.6 | 0.5 |
| 8403-221 | 220.0 | 1.9 | 0.5 | 0.4 |
| 8403-331 | 330.0 | 2.7 | 0.4 | 0.3 |
| 8403-471 | 470.0 | 4.0 | 0.3 | 0.2 |
| 8403-681 | 680.0 | 5.3 | 0.2 | 0.1 |
| 8403-102 | 1000.0 | 8.4 | 0.1 | 0.05 |

- NOTES:
1. Tested at 100 kHz, 0.1 Vrms.
 2. Inductance drop = 10% typ. at rated I_{sat} .
 3. $\Delta T = 30^\circ\text{C}$ rise typ. at I_{rms} .