

Inductors

Surface Mount Drum Core Power Inductors

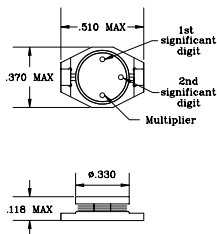
8403-XXX



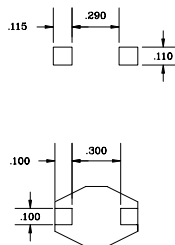
- Designed for use in DC-DC converters where high energy storage combined with low DCR is a requirement
- Suitable for auto assembly and compatible with reflow process to 240°C
- Useful in battery-powered and low voltage converters
- Rugged design features with an extended operating temperature range 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 (μ 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:
- Tested at 100 kHz, 0.1 Vrms.
 - Inductance drop = 10% typ. at rated I_{sat}.
 - $\Delta T = 30^\circ\text{C}$ rise typ. at I_{rms}.