

Inductors

**Surface Mount
Drum Core Power Inductors**

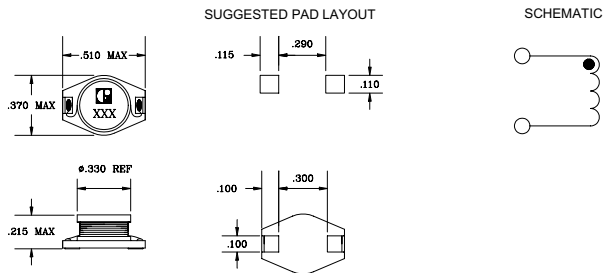
8400-XXX



- 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
- Storage temperature range of -50°C to +125°C



MECHANICAL AND SCHEMATIC (All dimensions in inches)



ELECTRICAL SPECIFICATIONS @ 25°C

Part Number	Inductance (µH ±20%)	DCR ¹ (ΩMAX)	I _{sat} ² (Ade)	I _{con} ³ (Ade)
8400-10G	1.0	0.009	9.00	6.80
8400-15G	1.5	0.010	8.00	6.40
8400-22G	2.2	0.012	7.00	6.10
8400-33G	3.3	0.015	6.40	5.40
8400-47G	4.7	0.018	5.40	4.80
8400-68G	6.8	0.027	4.60	4.40
8400-100	10.0	0.038	3.80	3.90
8400-150	15.0	0.046	3.00	3.10
8400-220	22.0	0.085	2.60	2.70
8400-330	33.0	0.100	2.00	2.10
8400-470	47.0	0.140	1.60	1.80
8400-680	68.0	0.200	1.40	1.50
8400-101	100.0	0.280	1.20	1.30
8400-151	150.0	0.400	1.00	1.00
8400-221	220.0	0.610	0.80	0.80
8400-331	330.0	1.020	0.60	0.60
8400-471	470.0	1.270	0.50	0.50
8400-681	680.0	2.020	0.40	0.40
8400-102	1000.0	3.000	0.30	0.30

NOTES: 1. DCR limits at 20°C
 2. Saturating DC current for approximately 20% rolloff from initial inductance
 3. Continuous DC current for approximate delta T of 40°C rise from a 25°C ambient