

Power Inductor

GSLHS127T-100M

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- Family of High Current Power Inductors
- L: N1=N2=10 +/- 20% uH
- DCR: N1=N2= 0.045 ohm Max
- IDC: 7.2 A Max

Electrical Parameters:

Item	L (uH)		D.C.R (Max) Ω	IDC (Max) A		
	Frequency	100kHz/0.5V		100kHz/0.5V		
Tester	VR126	LCR	CH502BC	VR126+VR7200		
Spec	L1 10 ± 20%	L2 10 ± 20%	N1=N2 0.045	L _{0A}	L _{7.2A}	ΔL/L ≤10%
1	10.60	11.30	0.037	10.60	10.30	2.83%
2	10.30	11.10	0.038	10.30	10.10	1.94%
3	10.20	11.00	0.036	10.20	9.90	2.94%
4	10.50	11.20	0.039	10.50	10.10	3.81%
5	10.60	11.40	0.038	10.60	10.30	2.83%
MAX	10.60	11.40	0.039	10.60	10.30	3.81%
MIN	10.20	11.00	0.036	10.20	9.90	1.94%
AVE	10.44	11.20	0.038	10.44	10.14	2.87%

Dimension Testing (Unit: mm)

No	A	B	C	D	E
Spec	12.5 MAX	12.5 MAX	8.5 MAX	5.0 ± 0.2	5.5 REF
1	12.12	12.14	7.68	4.93	5.45
2	12.16	12.16	7.63	4.95	5.50
3	12.12	12.08	7.59	5.00	5.48
4	12.17	12.12	7.62	4.95	5.49
5	12.16	12.11	7.68	4.95	5.48
MAX	12.17	12.16	7.68	5.00	5.50
MIN	12.12	12.08	7.59	4.93	5.45
AVE	12.15	12.12	7.64	4.96	5.48

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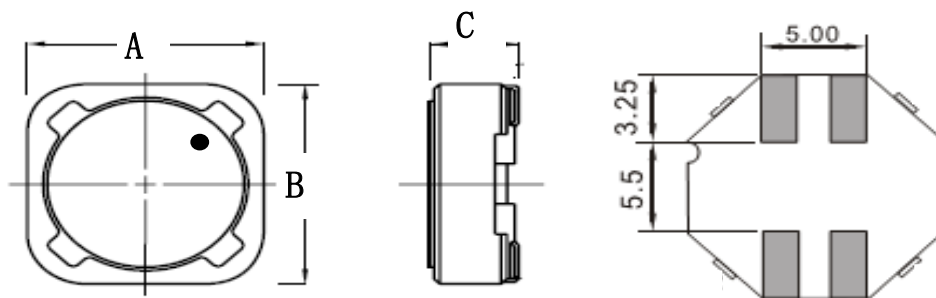
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SCHEMATIC



MECHANICAL



A: 12.5 mm Max
B: 12.5 mm Max
C: 8.5 mm Max