



Coilmaster Electronics Co., Ltd.

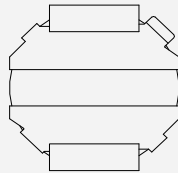
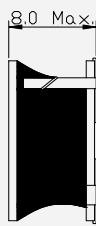
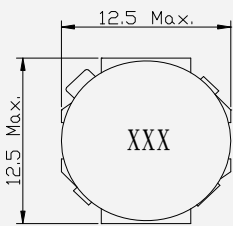
9F-3 No.398, Huan Bei Rd. Chung Li City, Taoyuan 320, Taiwan
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E-mail : info@coilmaster.com.tw

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SMT Power Inductors

SQH127CS



- Size : 12.5x12.5x8.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μ H, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 400 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L KHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.2	±30%=N	0.1	9.80	0.0070	SQH127CS-1R2N-LF
2.4		0.1	8.00	0.0115	SQH127CS-2R4N-LF
3.5		0.1	7.50	0.0135	SQH127CS-3R5N-LF
4.7		0.1	6.80	0.0158	SQH127CS-4R7N-LF
6.1		0.1	6.60	0.0176	SQH127CS-6R1N-LF
7.6		0.1	5.90	0.0200	SQH127CS-7R6N-LF
10	±20%=M	0.001	5.40	0.0216	SQH127CS-100M-LF
12		0.001	4.90	0.0243	SQH127CS-120M-LF
15		0.001	4.50	0.0270	SQH127CS-150M-LF
18		0.001	3.90	0.0392	SQH127CS-180M-LF
22		0.001	3.60	0.0432	SQH127CS-220M-LF
27		0.001	3.40	0.0459	SQH127CS-270M-LF
33		0.001	3.00	0.0648	SQH127CS-330M-LF
39		0.001	2.75	0.0729	SQH127CS-390M-LF
47		0.001	2.50	0.100	SQH127CS-470M-LF
56		0.001	2.35	0.110	SQH127CS-560M-LF
68		0.001	2.10	0.140	SQH127CS-680M-LF
82		0.001	1.95	0.160	SQH127CS-820M-LF
100		0.001	1.70	0.220	SQH127CS-101M-LF
120		0.001	1.60	0.250	SQH127CS-121M-LF
150		0.001	1.42	0.280	SQH127CS-151M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.



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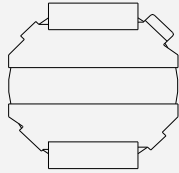
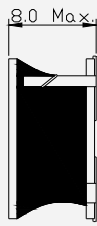
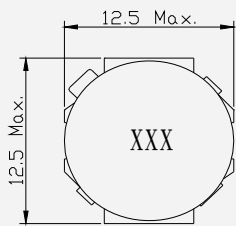
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INDUCTANCE (μH)	Tolerance	fL KHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
180		0.001	1.30	0.350	SQH127CS-181M-LF
220		0.001	1.16	0.390	SQH127CS-221M-LF
270		0.001	1.06	0.560	SQH127CS-271M-LF
330		0.001	0.95	0.640	SQH127CS-331M-LF
390		0.001	0.88	0.700	SQH127CS-391M-LF
470		0.001	0.79	0.980	SQH127CS-471M-LF
560		0.001	0.73	1.070	SQH127CS-561M-LF
680		0.001	0.67	1.460	SQH127CS-681M-LF
820		0.001	0.60	1.640	SQH127CS-821M-LF
1000		0.001	0.55	1.820	SQH127CS-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to $+125^{\circ}\text{C}$.
- Electrical specifications at 25°C .