



**Coilmaster Electronics Co., Ltd.**

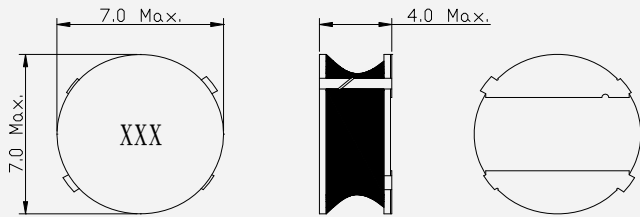
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# SMT Power Inductors

## SQH6D38CS



- Size : 7.0x7.0x4.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned  
 Solderability : Reflow soldering  
 Marking : L value (μH, coded)  
 Delivery mode : Tape & reel packing  
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f <sub>L</sub> MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
3.3	±30%=N	0.01	3.50	20	SQH6D38CS-3R3N-LF
5.0		0.01	2.90	24	SQH6D38CS-5R0N-LF
6.2		0.01	2.50	27	SQH6D38CS-6R2N-LF
7.4		0.01	2.30	31	SQH6D38CS-7R4N-LF
8.7		0.01	2.20	34	SQH6D38CS-8R7N-LF
10		0.01	2.00	38	SQH6D38CS-100N-LF
12		0.01	1.70	53	SQH6D38CS-120N-LF
15		0.01	1.60	57	SQH6D38CS-150N-LF
18	±20%=M	0.01	1.50	92	SQH6D38CS-180N-LF
22		0.01	1.30	96	SQH6D38CS-220M-LF
27		0.01	1.20	109	SQH6D38CS-270M-LF
33		0.01	1.10	124	SQH6D38CS-330M-LF
39		0.01	1.00	138	SQH6D38CS-390M-LF
47		0.01	0.95	155	SQH6D38CS-470M-LF
56		0.01	0.85	202	SQH6D38CS-560M-LF
68		0.01	0.75	234	SQH6D38CS-680M-LF
82		0.01	0.70	324	SQH6D38CS-820M-LF
100		0.01	0.65	358	SQH6D38CS-101M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes Δ40°C. ( Ta=+25°C )
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.