



Coilmaster Electronics Co., Ltd.

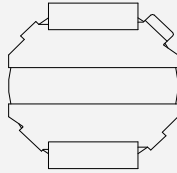
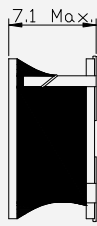
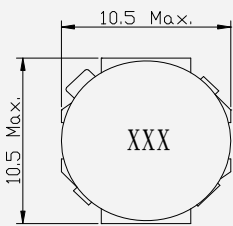
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SMT Power Inductors

SQH107CS



- Size : 10.5x10.5x7.1 (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 : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f_L MHz	Isat (A)	Irms (A)	DCR (m Ω) (Max.)	Ordering code
2.2	±30%=N	0.1	9.8	9.0	7.20	SQH107CS-2R2N-LF
3.3		0.1	8.4	8.0	8.50	SQH107CS-3R3N-LF
4.7		0.1	7.9	7.0	9.80	SQH107CS-4R7N-LF
6.0		0.1	6.5	5.5	14.0	SQH107CS-6R0N-LF
8.2		0.1	5.1	5.3	15.8	SQH107CS-8R2N-LF
10	±20%=M	0.1	4.8	4.4	21.5	SQH107CS-100M-LF
15		0.1	4.5	3.6	34.5	SQH107CS-150M-LF
18		0.1	3.6	3.4	37.0	SQH107CS-180M-LF
22		0.1	3.0	3.2	40.2	SQH107CS-220M-LF
33		0.1	2.7	2.6	60.4	SQH107CS-330M-LF
47		0.1	2.4	2.1	106.3	SQH107CS-470M-LF
68		0.1	2.0	1.7	149.8	SQH107CS-680M-LF
82		0.1	1.7	1.6	163.3	SQH107CS-820M-LF
100		0.1	1.5	1.5	205.0	SQH107CS-101M-LF
150		0.1	1.3	1.3	291.9	SQH107CS-151M-LF
180		0.1	1.2	1.2	325.7	SQH107CS-181M-LF
220		0.1	1.0	1.1	362.4	SQH107CS-221M-LF
330		0.1	0.8	0.9	525.1	SQH107CS-331M-LF
470		0.1	0.7	0.8	739.6	SQH107CS-471M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Iirms: The actual current when temperature of coil becomes $\Delta 40^\circ\text{C}$. ($T_a=+25^\circ\text{C}$)
- Operating temperature range -40°C to $+125^\circ\text{C}$
- Electrical specifications at 25°C .