



Coilmaster Electronics Co., Ltd.

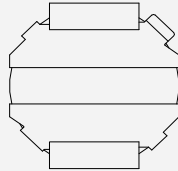
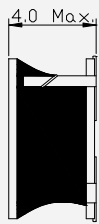
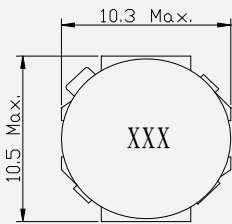
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SMT Power Inductors

SQH104CS



- Size : 10.5x10.3x4.0 (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 _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.5	±30%=N	0.1	10.0	6.50	8.1	SQH104CS-1R5N-LF
2.5		0.1	7.50	6.10	10.5	SQH104CS-2R5N-LF
3.8		0.1	6.00	5.50	13.0	SQH104CS-3R8N-LF
5.2		0.1	5.50	5.40	22.0	SQH104CS-5R2N-LF
7.0		0.1	4.80	4.50	27.0	SQH104CS-7R0N-LF
10		0.1	4.40	3.80	35.0	SQH104CS-100N-LF
12		0.1	3.70	3.40	46.0	SQH104CS-120N-LF
15		0.1	3.60	3.10	50.0	SQH104CS-150N-LF
18		0.1	3.10	2.60	69.0	SQH104CS-180N-LF
22		0.1	2.90	2.50	73.0	SQH104CS-220N-LF
27		0.1	2.60	2.30	88.0	SQH104CS-270N-LF
33		0.1	2.30	2.20	93.0	SQH104CS-330N-LF
39		0.1	2.20	2.00	127	SQH104CS-390N-LF
47		0.1	2.10	1.90	128	SQH104CS-470N-LF
56		0.1	1.65	1.50	188	SQH104CS-560N-LF
68		0.1	1.50	1.42	213	SQH104CS-680N-LF
82		0.1	1.45	1.30	283	SQH104CS-820N-LF
100		0.1	1.35	1.25	304	SQH104CS-101N-LF
120		0.1	1.20	1.08	375	SQH104CS-121N-LF
150		0.1	1.15	0.85	506	SQH104CS-151N-LF
180		0.1	1.00	0.75	568	SQH104CS-181N-LF
220		0.1	0.92	0.70	756	SQH104CS-221N-LF
270		0.1	0.84	0.55	853	SQH104CS-271N-LF
330		0.1	0.70	0.52	1090	SQH104CS-331N-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: 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.