



Coilmaster Electronics Co., Ltd.

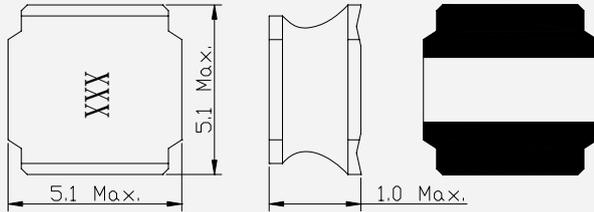
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SMT Power Inductors

SQH5010S



- Size : 5.1x5.1x1.0 (mm)
- Core material : Ferrite
- 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)	I_{rms} (A)	DCR (Ω) Max.	Ordering code
1.0	$\pm 30\% = \text{N}$	0.1	2.35	1.75	0.084	SQH5010S-1R0N-LF
2.2		0.1	1.50	1.40	0.126	SQH5010S-2R2N-LF
3.3	$\pm 20\% = \text{M}$	0.1	1.40	1.25	0.150	SQH5010S-3R3M-LF
4.7		0.1	1.20	1.15	0.174	SQH5010S-4R7M-LF
6.8		0.1	1.00	1.00	0.222	SQH5010S-6R8M-LF
10		0.1	0.85	0.90	0.300	SQH5010S-100M-LF
15		0.1	0.68	0.65	0.480	SQH5010S-150M-LF
22		0.1	0.55	0.45	0.720	SQH5010S-220M-LF

- I_{sat} : Based on inductance change ($\Delta L/L_0 : \leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise ($\Delta T : 40^\circ\text{C}$ typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 40°C.