



**Coilmaster Electronics Co., Ltd.**

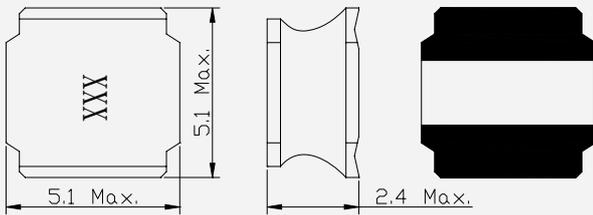
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## SMT Power Inductors

### SQH5024S



- Size : 5.1x5.1x2.4 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned  
 Solderability : Reflow soldering  
 Marking : L value ( $\mu\text{H}$ , coded)  
 Delivery mode : Tape & reel packing  
 Packing unit : 1000 pcs/reel

INDUCTANCE ( $\mu\text{H}$ )	Tolerance	$f_L$ MHz	Isat (A)	Irms (A)	DCR (m $\Omega$ ) Max.	Ordering code
1.0	$\pm 30\% = \text{N}$	0.1	5.80	4.40	19.2	SQH5024S-1R0N-LF
1.5		0.1	5.20	3.60	26.4	SQH5024S-1R5N-LF
2.2		0.1	4.10	3.10	34.8	SQH5024S-2R2N-LF
3.3		0.1	3.10	2.40	51.6	SQH5024S-3R3N-LF
4.7	$\pm 20\% = \text{M}$	0.1	2.70	2.00	66.0	SQH5024S-4R7M-LF
6.8		0.1	2.20	1.60	96.0	SQH5024S-6R8M-LF
10		0.1	1.70	1.20	150	SQH5024S-100M-LF
15		0.1	1.40	1.00	204	SQH5024S-150M-LF
22		0.1	1.20	0.82	276	SQH5024S-220M-LF
33		0.1	1.00	0.63	444	SQH5024S-330M-LF

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