



Coilmaster Electronics Co., Ltd.

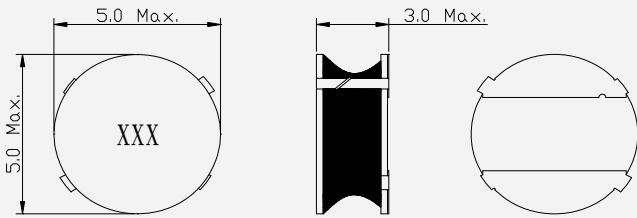
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SMT Power Inductors

SQH4D28CS



- Size : 5.0x5.0x3.0 (mm)
 - Core material : Ferrite + Magnetics Epoxy
 - Magnetically shielded
 - RoHS-compatible
- Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μ H, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 2000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	IDC (A)	DCR (m Ω) (Max.)	Ordering code
1.2	±30%=N	0.1	2.56	23.6	SQH4D28CS-1R2N-LF
1.8		0.1	2.20	27.5	SQH4D28CS-1R8N-LF
2.2		0.1	2.04	31.3	SQH4D28CS-2R2N-LF
2.7		0.1	1.60	43.3	SQH4D28CS-2R7N-LF
3.3		0.1	1.57	49.2	SQH4D28CS-3R3N-LF
3.9		0.1	1.44	64.8	SQH4D28CS-3R9N-LF
4.7		0.1	1.32	72.0	SQH4D28CS-4R7N-LF
5.6		0.1	1.17	100.9	SQH4D28CS-5R6N-LF
6.8		0.1	1.12	108.9	SQH4D28CS-6R8N-LF
8.2		0.1	1.04	117.5	SQH4D28CS-8R2N-LF
10		0.1	1.00	128.3	SQH4D28CS-100N-LF
12		0.1	0.84	131.6	SQH4D28CS-120N-LF
15		0.1	0.76	149.0	SQH4D28CS-150N-LF
18		0.1	0.72	166.0	SQH4D28CS-180N-LF
22	±20%=M	0.1	0.70	235.0	SQH4D28CS-220M-LF
27		0.1	0.58	261.0	SQH4D28CS-270M-LF
33		0.1	0.56	331.3	SQH4D28CS-330M-LF
39		0.1	0.50	383.7	SQH4D28CS-390M-LF
47		0.1	0.48	587.0	SQH4D28CS-470M-LF
56		0.1	0.41	624.5	SQH4D28CS-560M-LF
68		0.1	0.35	699.0	SQH4D28CS-680M-LF
82		0.1	0.32	914.8	SQH4D28CS-820M-LF
100		0.1	0.29	1020.0	SQH4D28CS-101M-LF
120		0.1	0.27	1270.0	SQH4D28CS-121M-LF
150	0.1	0.24	1350.0	SQH4D28CS-151M-LF	
180	0.1	0.22	1540.0	SQH4D28CS-181M-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 $\Delta 40^{\circ}\text{C}$. (Ta=+25 $^{\circ}\text{C}$)
- Operating temperature range -40 $^{\circ}\text{C}$ to +125 $^{\circ}\text{C}$, Electrical specifications at 25 $^{\circ}\text{C}$.