



Coilmaster Electronics Co., Ltd.

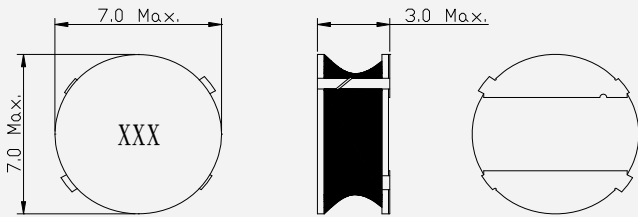
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SMT Power Inductors

SQH6D28CS



- Size : 7.0x7.0x3.0 (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 : 1000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	IDC (A)	DCR (m Ω) (Max.)	Ordering code
3.0	±30%=N	0.01	3.00	24	SQH6D28CS-3R0N-LF
3.9		0.01	2.60	27	SQH6D28CS-3R9N-LF
5.0		0.01	2.40	31	SQH6D28CS-5R0N-LF
6.0		0.01	2.25	35	SQH6D28CS-6R0N-LF
7.3		0.01	2.10	54	SQH6D28CS-7R3N-LF
8.6		0.01	1.85	58	SQH6D28CS-8R6N-LF
10		0.01	1.70	65	SQH6D28CS-100N-LF
12		0.01	1.55	70	SQH6D28CS-120N-LF
15		0.01	1.40	84	SQH6D28CS-150N-LF
18		0.01	1.32	95	SQH6D28CS-180N-LF
22		0.01	1.20	128	SQH6D28CS-220N-LF
27		0.01	1.05	142	SQH6D28CS-270N-LF
33		0.01	0.97	165	SQH6D28CS-330N-LF
39		0.01	0.86	210	SQH6D28CS-390N-LF
47		0.01	0.80	238	SQH6D28CS-470N-LF
56		0.01	0.73	277	SQH6D28CS-560N-LF
68		0.01	0.65	304	SQH6D28CS-680N-LF
82	0.01	0.60	390	SQH6D28CS-820N-LF	
100	0.01	0.54	535	SQH6D28CS-101N-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 $\Delta 40^{\circ}\text{C}$. ($T_a=+25^{\circ}\text{C}$)
- Operating temperature range -40°C to $+125^{\circ}\text{C}$, Electrical specifications at 25°C .