



**Coilmaster Electronics Co., Ltd.**

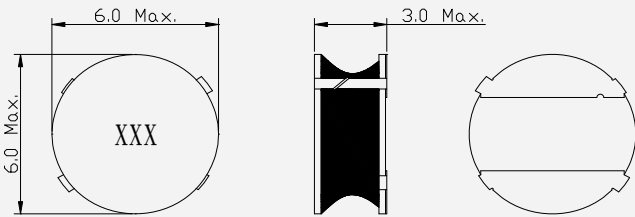
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## SMT Power Inductors

### SQH5D28CS



- Size : 6.0x6.0x3.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- 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 : 2000 pcs/reel

INDUCTANCE ( $\mu\text{H}$ )	Tolerance	f <sub>L</sub> MHz	IDC (A)	DCR (m $\Omega$ ) (Max.)	Ordering code
2.5	±30%=N	0.01	2.60	18	SQH5D28CS-2R5N-LF
3.0		0.01	2.40	24	SQH5D28CS-3R0N-LF
4.2		0.01	2.20	31	SQH5D28CS-4R2N-LF
5.3		0.01	1.90	38	SQH5D28CS-5R3N-LF
6.2		0.01	1.80	45	SQH5D28CS-6R2N-LF
8.2		0.01	1.60	53	SQH5D28CS-8R2N-LF
10		0.01	1.30	65	SQH5D28CS-100N-LF
12		0.01	1.20	76	SQH5D28CS-120N-LF
15		0.01	1.10	103	SQH5D28CS-150N-LF
18		0.01	1.00	110	SQH5D28CS-180N-LF
22		±20%=M	0.01	0.90	122
27	0.01		0.85	175	SQH5D28CS-270M-LF
33	0.01		0.75	189	SQH5D28CS-330M-LF
39	0.01		0.70	212	SQH5D28CS-390M-LF
47	0.01		0.62	250	SQH5D28CS-470M-LF
56	0.01		0.58	305	SQH5D28CS-560M-LF
68	0.01		0.52	355	SQH5D28CS-680M-LF
82	0.01		0.46	463	SQH5D28CS-820M-LF
100	0.01		0.42	520	SQH5D28CS-101M-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  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ , Electrical specifications at  $25^\circ\text{C}$ .