



Coilmaster Electronics Co., Ltd.

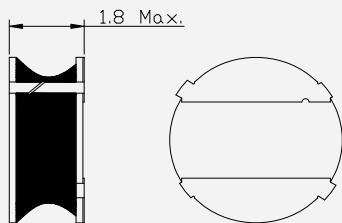
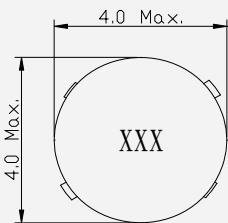
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SMT Power Inductors

SQH3D16CS



- Size : 4.0x4.0x1.8 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH , coded)
 Delivery mode : Tape & reel packing
 Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (m Ω) (Max.)	Ordering code
1.7	±30%=N	0.1	2.00	2.40	51	SQH3D16CS-1R7N-LF
2.2		0.1	1.75	2.30	59	SQH3D16CS-2R2N-LF
3.3		0.1	1.40	1.80	85	SQH3D16CS-3R3N-LF
4.7		0.1	1.20	1.50	116	SQH3D16CS-4R7N-LF
6.8		0.1	1.00	1.10	180	SQH3D16CS-6R8N-LF
10	±20%=M	0.1	0.84	1.00	230	SQH3D16CS-100M-LF
15		0.1	0.65	0.75	410	SQH3D16CS-150M-LF
22		0.1	0.55	0.52	610	SQH3D16CS-220M-LF
33		0.1	0.46	0.41	870	SQH3D16CS-330M-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: 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 $^{\circ}\text{C}$.