



**Coilmaster Electronics Co., Ltd.**

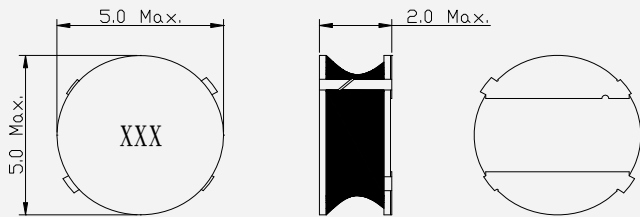
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## SMT Power Inductors

### SQH4D18CS



- Size : 5.0x5.0x2.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

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

INDUCTANCE ( $\mu$ H)	Tolerance	f <sub>L</sub> MHz	IDC (A)	DCR (m $\Omega$ ) (Max.)	Ordering code	
1.0	±30%=N	7.96	1.72	45	SQH4D18CS-1R0N-LF	
2.2		7.96	1.32	75	SQH4D18CS-2R2N-LF	
2.7		7.96	1.28	105	SQH4D18CS-2R7N-LF	
3.3		7.96	1.04	110	SQH4D18CS-3R3N-LF	
3.9		7.96	0.88	155	SQH4D18CS-3R9N-LF	
4.7		7.96	0.84	162	SQH4D18CS-4R7N-LF	
5.6		7.96	0.80	170	SQH4D18CS-5R6N-LF	
6.8		7.96	0.76	180	SQH4D18CS-6R8N-LF	
8.2		7.96	0.68	190	SQH4D18CS-8R2N-LF	
10		±20%=M	0.1	0.61	200	SQH4D18CS-100N-LF
12			0.1	0.56	210	SQH4D18CS-120N-LF
15			0.1	0.50	240	SQH4D18CS-150N-LF
18			0.1	0.48	338	SQH4D18CS-180N-LF
22	0.1		0.41	397	SQH4D18CS-220M-LF	
27	0.1		0.35	441	SQH4D18CS-270M-LF	
33	0.1		0.32	694	SQH4D18CS-330M-LF	
39	0.1	0.30	709	SQH4D18CS-390M-LF		

- DC current at which the inductance drops 35% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.