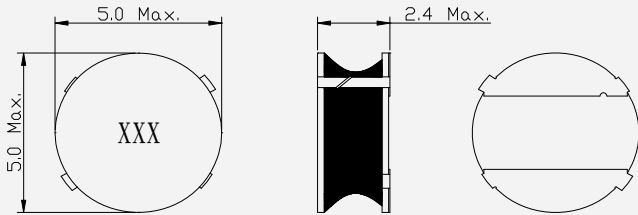


## SMT Power Inductors

### SQH4D22CS



- Size : 5.0x5.0x2.4 (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 <sub>L</sub> MHz	Isat (A)	I <sub>rms</sub> (A)	DCR(Ω)	Ordering code
1.5	±30%=N	0.1	2.00	4.20	18.3m	SQH4D22CS-1R5N-LF
1.8		0.1	1.90	3.70	21.6m	SQH4D22CS-1R8N-LF
2.3		0.1	1.80	3.60	25.4m	SQH4D22CS-2R3N-LF
3.3		0.1	1.40	3.07	35.1m	SQH4D22CS-3R3N-LF
3.9		0.1	1.30	3.04	40.2m	SQH4D22CS-3R9N-LF
4.7		0.1	1.10	2.08	55.9m	SQH4D22CS-4R7N-LF
5.6		0.1	1.05	2.05	62.0m	SQH4D22CS-5R6N-LF
6.8		0.1	1.00	1.95	88.0m	SQH4D22CS-6R8N-LF
8.2		0.1	0.90	1.85	96.5m	SQH4D22CS-8R2N-LF
10		0.1	0.80	1.82	0.102	SQH4D22CS-100N-LF
12		0.1	0.75	1.80	0.110	SQH4D22CS-120N-LF
15		0.1	0.68	1.59	0.127	SQH4D22CS-150N-LF
18		0.1	0.60	1.41	0.169	SQH4D22CS-180N-LF
22		0.1	0.54	1.32	0.200	SQH4D22CS-220N-LF
27		0.1	0.51	1.04	0.283	SQH4D22CS-270N-LF
33		0.1	0.48	1.02	0.326	SQH4D22CS-330N-LF
39		0.1	0.43	0.85	0.451	SQH4D22CS-390N-LF
47	0.1	0.38	0.82	0.500	SQH4D22CS-470N-LF	
56	0.1	0.36	0.72	0.555	SQH4D22CS-560N-LF	
68	0.1	0.33	0.67	0.634	SQH4D22CS-680N-LF	
82	0.1	0.30	0.58	0.795	SQH4D22CS-820N-LF	
100	0.1	0.25	0.55	0.880	SQH4D22CS-101N-LF	
120	0.1	0.23	0.52	1.140	SQH4D22CS-121N-LF	
150	0.1	0.21	0.47	1.350	SQH4D22CS-151N-LF	

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I<sub>rms</sub>: The actual current when temperature of coil becomes Δ40°C . ( Ta=+25°C )
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.