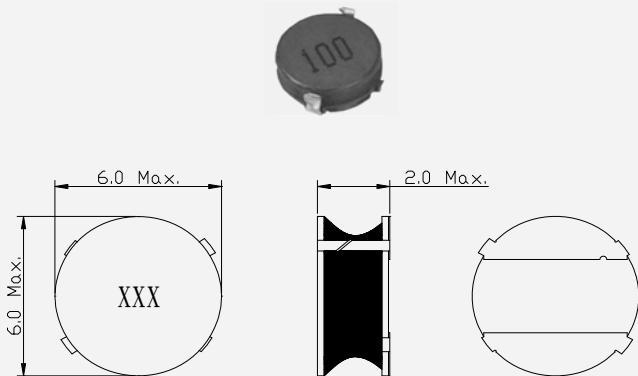


SMT Power Inductors

SQH5D18CS



- Size : 6.0x6.0x2.0 (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	IDC (A)	DCR (mΩ) (Max.)	Ordering code
4.1	±30%=N	0.01	2.56	23.6	SQH5D18CS-4R1N-LF
4.7		0.01	2.20	27.5	SQH5D18CS-4R7N-LF
5.4		0.01	2.04	31.3	SQH5D18CS-5R4N-LF
5.6		0.01	1.60	43.3	SQH5D18CS-5R6N-LF
6.2		0.01	1.57	49.2	SQH5D18CS-6R2N-LF
6.8		0.01	1.44	64.8	SQH5D18CS-6R8N-LF
8.2		0.01	1.32	72.0	SQH5D18CS-8R2N-LF
8.9		0.01	1.17	100.9	SQH5D18CS-8R9N-LF
10		0.01	1.12	108.9	SQH5D18CS-100N-LF
12		0.01	1.04	117.5	SQH5D18CS-120N-LF
15		0.01	1.00	128.3	SQH5D18CS-150N-LF
18		0.01	0.84	131.6	SQH5D18CS-180N-LF
22	±20%=M	0.01	0.76	149.0	SQH5D18CS-220M-LF
27		0.01	0.72	166.0	SQH5D18CS-270M-LF
33		0.01	0.70	235.0	SQH5D18CS-330M-LF
39		0.01	0.58	261.0	SQH5D18CS-390M-LF
47		0.01	0.56	331.3	SQH5D18CS-470M-LF
56		0.01	0.50	383.7	SQH5D18CS-560M-LF
68		0.01	0.48	587.0	SQH5D18CS-680M-LF
82		0.01	0.41	624.5	SQH5D18CS-820M-LF
100		0.01	0.35	699.0	SQH5D18CS-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 Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.