



SQH43 SERIES ~ SMD Power Inductors



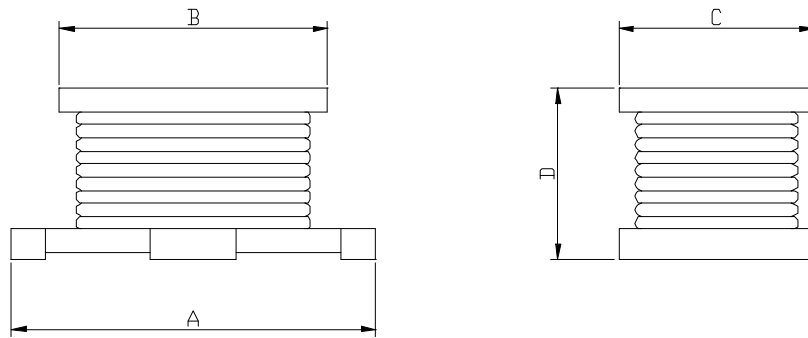
RoHS Compliant

PART NUMBERING SYSTEM

<u>SQH</u>	<u>4 3</u>	—	<u>680K</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

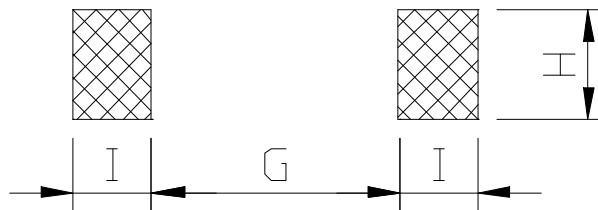
UNIT : mm



A=4.8 Max. B=3.8 Max. D=3.4 Max D=3.0 Max

RECOMMENDED PATTERNS

UNIT : mm



G=1.6 Min. H=3.2 Ref. I=1.2 Min



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Max.)	Isat (mA) (Max.)	SRF typ. (HZ)	Test Freq. (Hz)
SQH43-1R0M-LF	1.0 \pm 20%	0.20	500	120	1MHz
SQH43-1R5M-LF	1.5 \pm 20%	0.30	500	85	1MHz
SQH43-2R2M-LF	2.2 \pm 20%	0.30	500	62	1MHz
SQH43-3R3M-LF	3.3 \pm 20%	0.35	500	47	1MHz
SQH43-4R7M-LF	4.7 \pm 20%	0.40	500	38	1MHz
SQH43-6R8M-LF	6.8 \pm 20%	0.50	450	31	1MHz
SQH43-100K-LF	10 \pm 10%	0.56	400	23	1MHz
SQH43-150K-LF	15 \pm 10%	0.73	360	19	1MHz
SQH43-220K-LF	22 \pm 10%	0.94	320	15	1MHz
SQH43-330K-LF	33 \pm 10%	1.20	270	12	1MHz
SQH43-470K-LF	47 \pm 10%	1.50	220	10	1MHz
SQH43-680K-LF	68 \pm 10%	1.90	180	8.4	1MHz
SQH43-101K-LF	100 \pm 10%	2.50	160	6.8	1MHz
SQH43-151K-LF	150 \pm 10%	3.70	130	5.5	1MHz
SQH43-221K-LF	220 \pm 10%	5.40	115	4.5	1MHz
SQH43-331K-LF	330 \pm 10%	8.20	95	3.6	1MHz
SQH43-471K-LF	470 \pm 10%	11.8	80	3.0	1KHz
SQH43-681K-LF	680 \pm 10%	17.0	65	2.5	1KHz
SQH43-102K-LF	1000 \pm 10%	25.0	50	2.0	1KHz
SQH43-122K-LF	1200 \pm 10%	30.0	45	1.8	1KHz
SQH43-152K-LF	1500 \pm 10%	37.0	40	1.6	1KHz
SQH43-182K-LF	1800 \pm 10%	45.0	35	1.5	1KHz
SQH43-222K-LF	2200 \pm 10%	50.0	30	1.3	1KHz

- Inductance using an Agilent/HP 4263B LCR meter or equivalent.
- Isat: For inductance values \geq 10 μ H, DC current at which the inductance drops 10% (max) from its value without current. For inductance values $<$ 10 μ H, DC current at which the inductance drops 20% (max) from its value without current.
- Irms: Current that causes specified temperature rise from 25°C ambient.
- Operating temperature range -40°C to +85°C ,
- Electrical specifications at 20°C .