



## SQH32 SERIES ~ Low Profile SMD Power Inductors

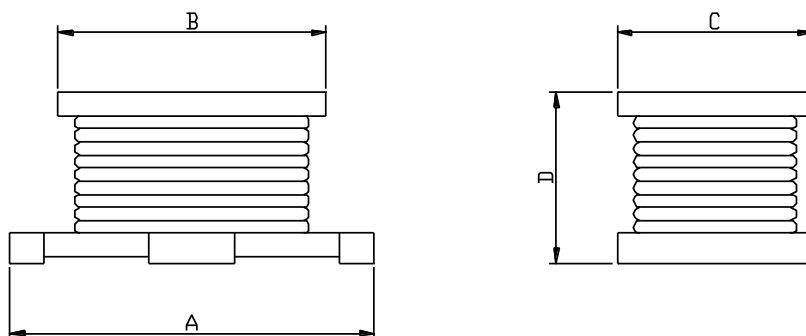


### PART NUMBERING SYSTEM

<b>SQH</b>	<b>32</b>	—	<b>680K</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### SHAPES AND DIMENSIONS

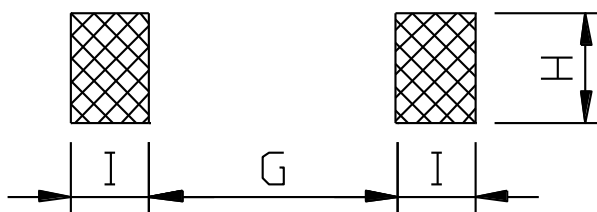
UNIT : mm



A=3.5 Max. B=2.5 Max. C=1.8 Max D=2.4 Max

### RECOMMENDED PATTERNS

UNIT : mm



G=0.7 Min. H=1.6 Ref. I=0.7 Min

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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( $\Omega$ ) (Max.)	Isat (mA) (Max.)	SRF typ. (HZ)	Test Freq. (Hz)
SQH32-R10M-LF	0.10 $\pm$ 20%	0.25	700	200	1MHz
SQH32-R18M-LF	0.18 $\pm$ 20%	0.25	650	200	1MHz
SQH32-R27M-LF	0.27 $\pm$ 20%	0.25	600	200	1MHz
SQH32-R39M-LF	0.39 $\pm$ 20%	0.25	530	200	1MHz
SQH32-R56M-LF	0.56 $\pm$ 20%	0.25	530	160	1MHz
SQH32-R68M-LF	0.68 $\pm$ 20%	0.25	470	160	1MHz
SQH32-R82M-LF	0.82 $\pm$ 20%	0.25	450	120	1MHz
SQH32-1R0M-LF	1.0 $\pm$ 20%	0.50	445	100	1MHz
SQH32-1R5M-LF	1.5 $\pm$ 20%	0.60	400	75	1MHz
SQH32-2R2M-LF	2.2 $\pm$ 20%	0.80	370	50	1MHz
SQH32-3R3M-LF	3.3 $\pm$ 20%	1.00	300	38	1MHz
SQH32-4R7K-LF	4.7 $\pm$ 20%	1.20	270	31	1MHz
SQH32-6R8K-LF	6.8 $\pm$ 20%	1.50	240	25	1MHz
SQH32-100K-LF	10 $\pm$ 10%	1.80	190	20	1MHz
SQH32-150K-LF	15 $\pm$ 10%	2.20	170	16	1MHz
SQH32-220K-LF	22 $\pm$ 10%	2.80	150	14	1MHz
SQH32-330K-LF	33 $\pm$ 10%	3.50	115	12	1MHz
SQH32-470K-LF	47 $\pm$ 10%	4.30	100	11	1MHz
SQH32-680K-LF	68 $\pm$ 10%	5.50	80	9.0	1MHz
SQH32-101K-LF	100 $\pm$ 10%	7.00	80	8.0	1MHz
SQH32-151K-LF	150 $\pm$ 10%	9.30	70	7.0	1MHz
SQH32-221K-LF	220 $\pm$ 10%	11.8	65	5.5	1MHz
SQH32-331K-LF	330 $\pm$ 10%	13.0	65	5.0	1MHz
SQH32-471K-LF	470 $\pm$ 10%	25.0	45	5.0	1KHz
SQH32-561K-LF	560 $\pm$ 10%	28.0	40	5.0	1KHz

- Inductance using an Agilent/HP 4263B LCR meter or equivalent.
- Isat: For inductance values  $\geq 10 \mu$ H, DC current at which the inductance drops 10% (max) from its value without current. For inductance values  $< 10 \mu$ 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 +125°C ,
- Electrical specifications at 20°C .