Coilmaster Electronics Co., Ltd.
9F-3 No.398, Huan Bei Rd. Chung Li City, Taoyuan 320, Taiwan
Tel : +886-3-422-8279 Fax : +886-3-422-8734
E-mail :info@coilmaster.com.tw
Web Site : www.coilmaster.com.tw

SQH32 SERIES ~ SMD Power Inductors

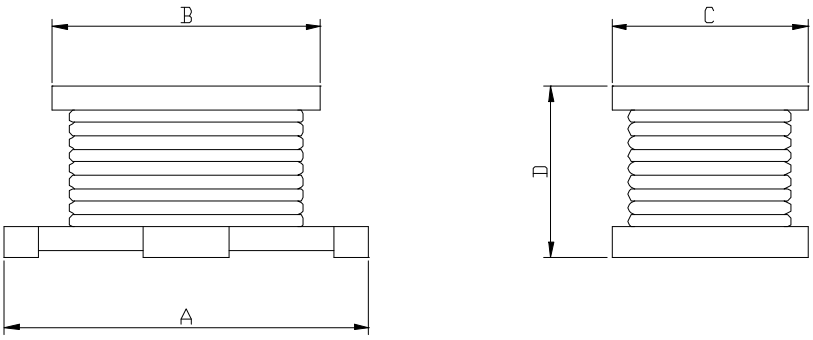
RoHS Compliant

PART NUMBERING SYSTEM

SQH	3 2	—	6 8 0 K	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

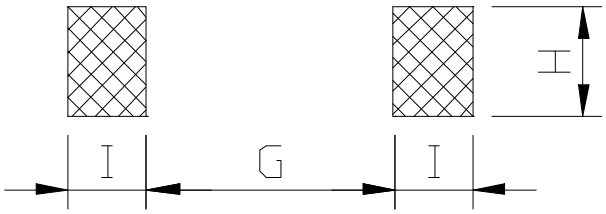
UNIT : mm



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

- Inductance using an Agilent/HP 4263B LCR meter or equivalent.
- Isat: For inductance values ≥10 μH, DC current at which the inductance drops 10% (max) from its value without current. For inductance values <10 μH, 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℃ to +85℃ ,
- Electrical specifications at 20℃ .