



SQH4718CS SERIES ~ Low Profile SMD Power Inductors

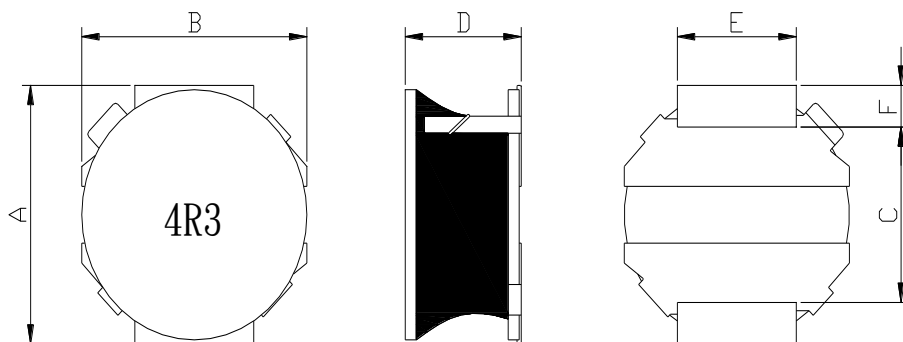


PART NUMBERING SYSTEM

SQH	4718CS	—	4R3M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

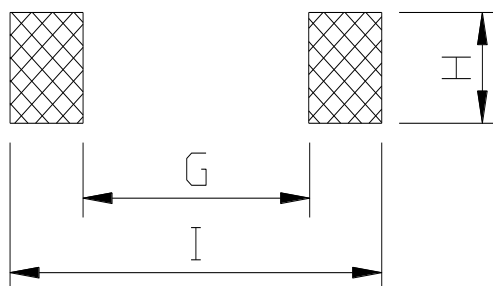
UNIT : mm



A=5.0 Max. B=4.75 Max. D=1.8 Max. E=2.2 Ref. F=1.3 Ref.

RECOMMENDED PATTERNS

UNIT : mm



G= 3.50 H= 2.20 I = 5.30

FEATURES

- Magnetically shielded construction and low DC resistance.
- Low profile (4.5×4.7mm square, 1.8mm Max. height).
- Ideal for a variety of DC-DC converter inductor applications.(DVC,DSC,Cellular phone,PDA)
- RoHS compliant.



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A) (Max.)	Irms (mA) (Max.)
SQH4718CS-1R0N-LF	1.0 $\pm$ 30%	47.0	3.50	2.90
SQH4718CS-1R8N-LF	1.8 $\pm$ 30%	56.0	3.00	2.70
SQH4718CS-2R4M-LF	2.4 $\pm$ 20%	65.0	2.60	2.30
SQH4718CS-3R3M-LF	3.3 $\pm$ 20%	74.0	2.30	2.10
SQH4718CS-4R3M-LF	4.3 $\pm$ 20%	85.0	2.00	2.00
SQH4718CS-6R8M-LF	6.8 $\pm$ 20%	120.0	1.70	1.90
SQH4718CS-100M-LF	10 $\pm$ 20%	161.0	1.30	1.70
SQH4718CS-220M-LF	22 $\pm$ 20%	370.0	0.91	1.00

- Test Frequency @ 100KHz / 1V
- Isat : Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value.
- Irms : The temperature rise current value is the DC current value having temperature increase up 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C .