



Coilmaster Electronics Co., Ltd.

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SEP0618S SERIES

New Products

High Current SMD Power Inductors



RoHS Compliant

PART NUMBERING SYSTEM

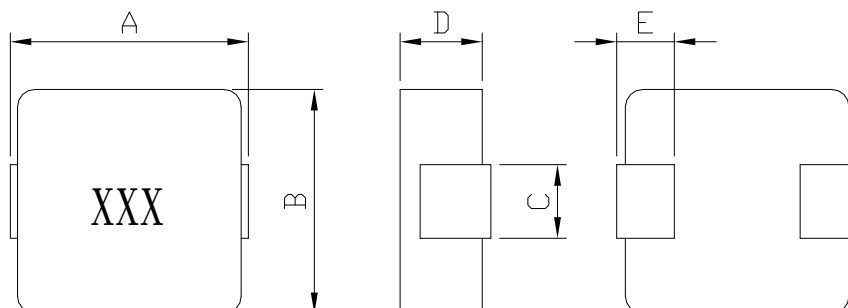
SEP	0 6 1 8 S	—	3 R 3 M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Low profile (1.80mm max. height) and 7.3 mm max. square.
- Magnetically shielded and low DC resistance and Suitable for large current .
- Ideal for DC – DC converter inductor application in hand help personal Computer ,etc .
- Frequency range up to 5MHZ .
- Large current handling capability .

SHAPES AND DIMENSIONS :

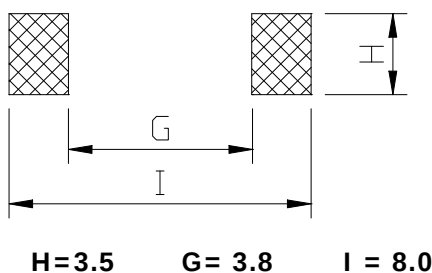
UNIT : mm



A=7.3 Max. B=6.67 Max. C=3.0±0.2 D=1.8 Max. E=1.27±0.3

RECOMMENDED PATTERNS

UNIT : mm





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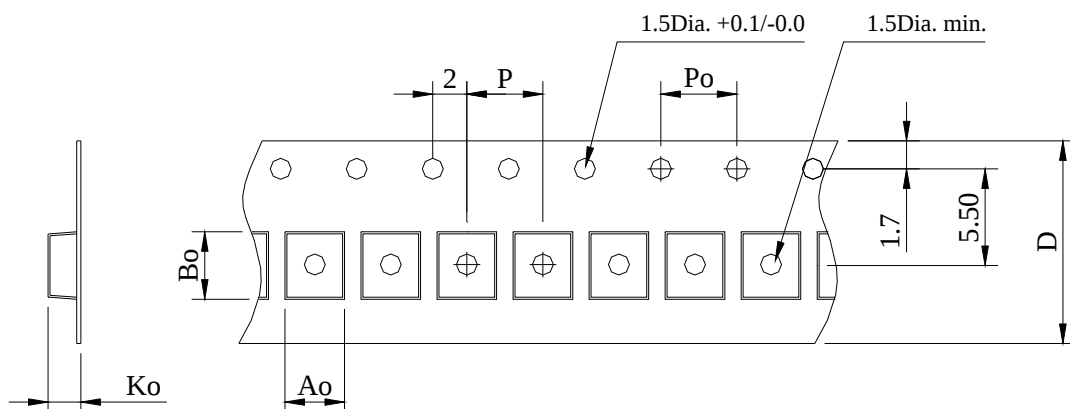
SPECIFICATION TABLE

RoHS Compliant

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (m Ω) (Max.)	TEST FREQ. (f)
SEP0618S-R10M-LF	0.10 $\pm$ 20%	40.0	18.0	3.5	100KHz/0.1V
SEP0618S-R15M-LF	0.15 $\pm$ 20%	38.0	15.0	5.2	100KHz/0.1V
SEP0618S-R22M-LF	0.22 $\pm$ 20%	26.0	14.0	5.0	100KHz/0.1V
SEP0618S-R33M-LF	0.33 $\pm$ 20%	18.0	12.0	7.0	100KHz/0.1V
SEP0618S-R47M-LF	0.47 $\pm$ 20%	18.0	11.0	9.3	100KHz/0.1V
SEP0618S-R68M-LF	0.68 $\pm$ 20%	17.0	9.0	13.9	100KHz/0.1V
SEP0618S-R82M-LF	0.82 $\pm$ 20%	17.0	8.0	15.9	100KHz/0.1V
SEP0618S-1R0M-LF	1.0 $\pm$ 20%	14.0	7.0	18.3	100KHz/0.1V
SEP0618S-1R5M-LF	1.5 $\pm$ 20%	11.5	4.0	34.0	100KHz/0.1V
SEP0618S-2R2M-LF	2.2 $\pm$ 20%	13.0	3.75	46.0	100KHz/0.1V
SEP0618S-2R5M-LF	2.5 $\pm$ 20%	10.4	3.5	52.4	100KHz/0.1V
SEP0618S-3R3M-LF	3.3 $\pm$ 20%	10.0	3.25	60.1	100KHz/0.1V
SEP0618S-4R7M-LF	4.7 $\pm$ 20%	8.0	3.0	78.0	100KHz/0.1V

- I sat : DC current at which the inductance drops 20% (typ) from its value without current.
- I rms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +120°C , Electrical specifications at 25°C.

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D $\pm$ 0.3
13"	1,000	7.2	7.0	2.8	12	4.0	16