

SEP0402SH SERIES~ High Current Power Inductors



PART NUMBERING SYSTEM

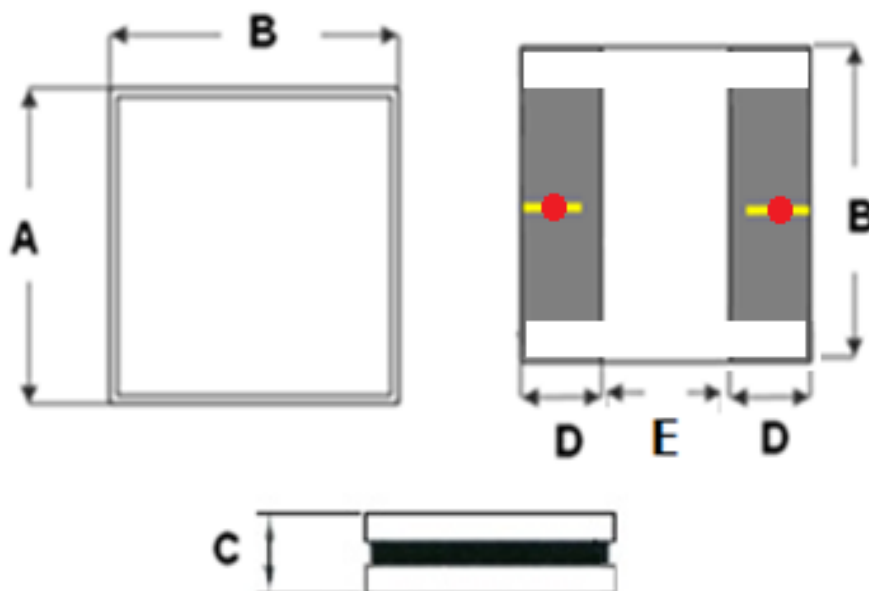
SEP	0402SH	—	1R0M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Low profile (2.0mm height) and 4.2 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=4.0±0.2 B=4.0±0.2 C=1.8±0.2 D=1.2 Typ. E=1.6 typ.

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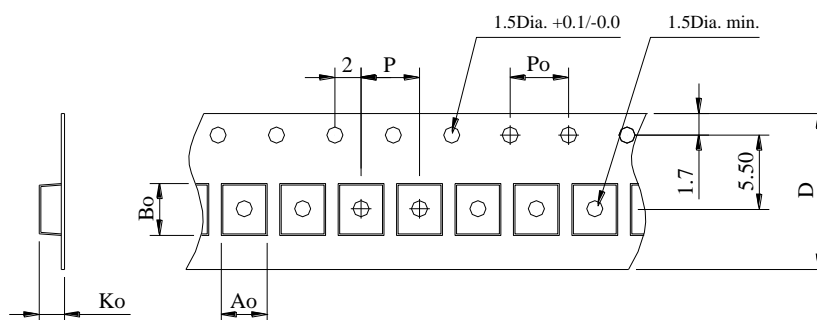


SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (m Ω) (Max.)	TEST FREQ. (f)
SEP0402SH-R33M-LF	0.33 \pm 20%	14.0	7.00	10.0	100KHz/1V
SEP0402SH-R47M-LF	0.47 \pm 20%	12.0	6.00	17.0	100KHz/1V
SEP0402SH-1R0M-LF	1.0 \pm 20%	7.50	4.50	35.0	100KHz/1V
SEP0402SH-1R5M-LF	1.5 \pm 20%	6.50	3.80	45.0	100KHz/1V
SEP0402SH-2R2M-LF	2.2 \pm 20%	5.50	3.50	55.0	100KHz/1V
SEP0402SH-3R3M-LF	3.3 \pm 20%	4.50	3.00	75.0	100KHz/1V
SEP0402SH-4R7M-LF	4.7 \pm 20%	3.80	2.30	95.0	100KHz/1V
SEP0402SH-5R6M-LF	5.6 \pm 20%	3.40	2.00	105.0	100KHz/1V
SEP0402SH-6R8M-LF	6.8 \pm 20%	3.00	1.60	120.0	100KHz/1V
SEP0402SH-100M-LF	10.0 \pm 20%	2.50	1.30	160.0	100KHz/1V

- Isat : DC current at which the inductance drops 30% (Max.) from its value without current.
- I rms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.

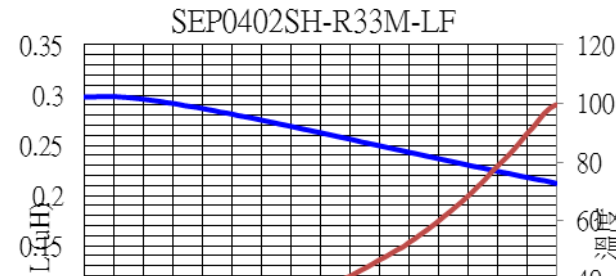
PACKAGING SPECIFICATION



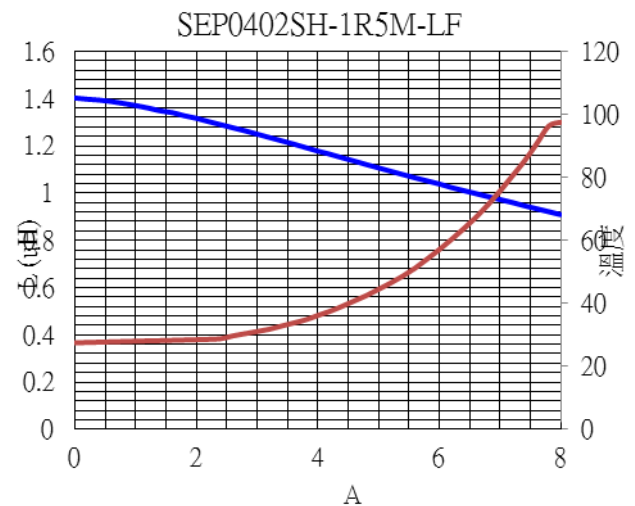
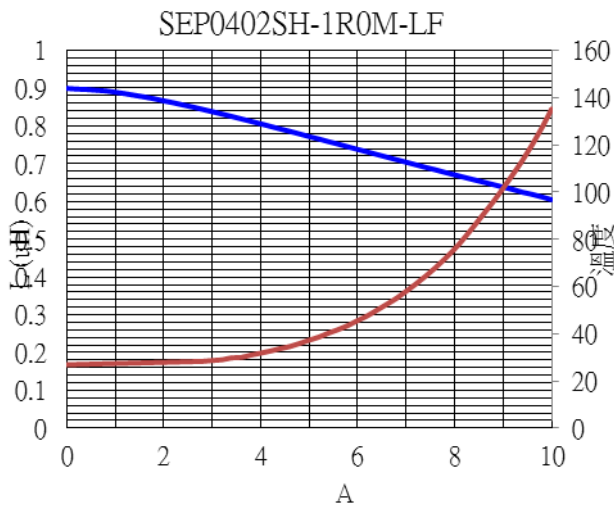
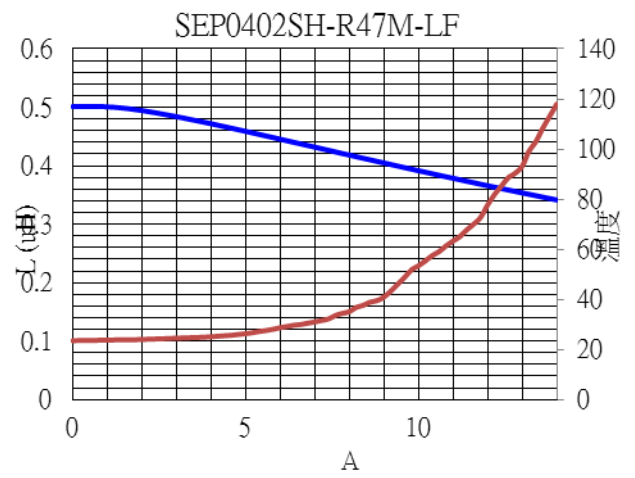
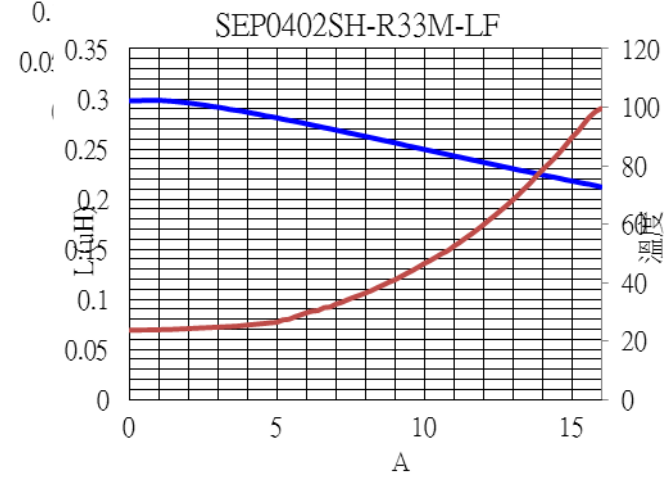
STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D \pm 0.3
13"	2,000	4.25 \pm 0.1	4.25 \pm 0.1	2.05 \pm 0.1	12	4.0	12



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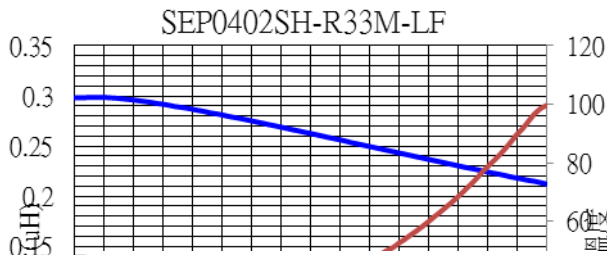


Temperature rise vs Current (Irms)

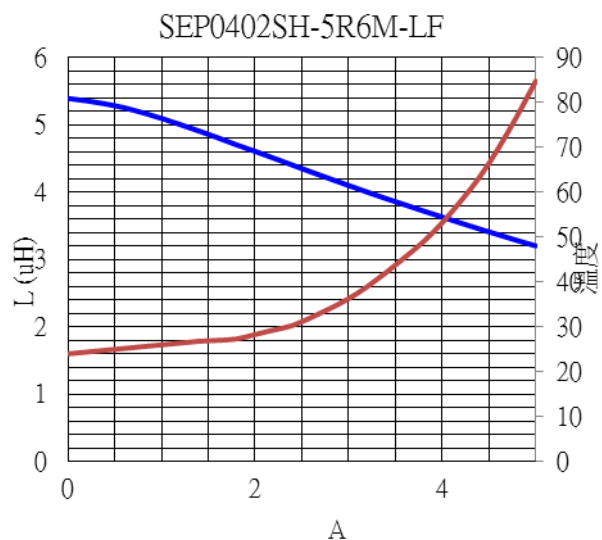
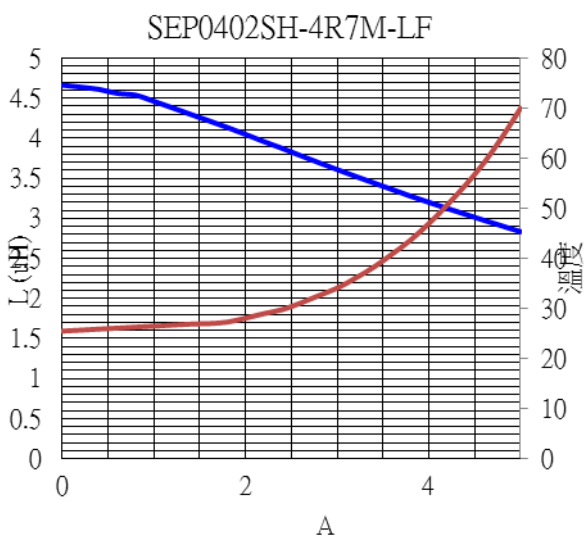
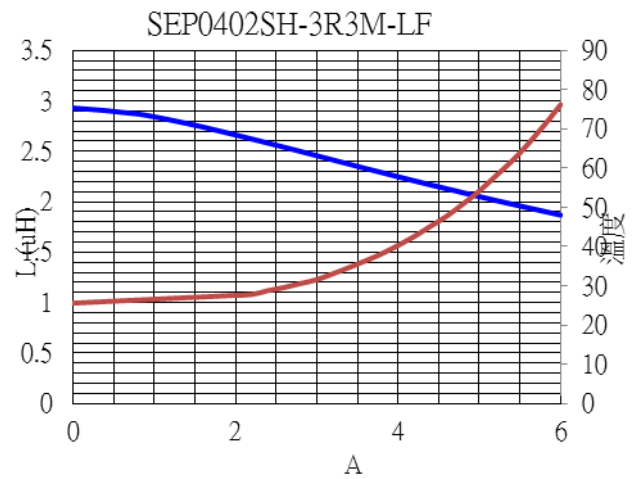
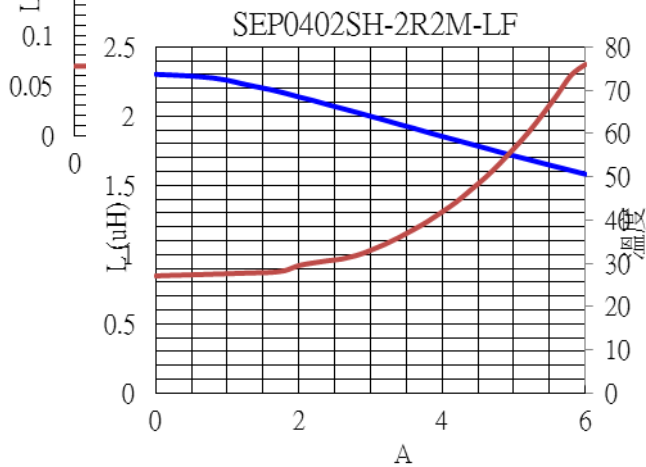




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Temperature rise vs Current (Irms)





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Temperature rise vs Current (Irms)

