

SEP0402EB SERIES

High Current SMD Power Inductors



RoHS Compliant

PART NUMBERING SYSTEM

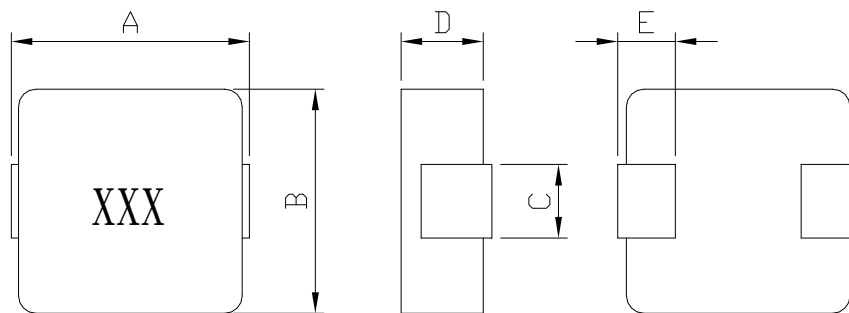
<u>SEP</u>	<u>0402EB</u>	—	<u>R10M</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Low profile (2.0mm max. height) and 4.6 mm max. square.
- Magnetically shielded and low DC resistance and Suitable for large current .
- Ultra low buzz noise, due to composite construction .
- Ideal for DC – DC converter inductor application in hand held personal Computer ,etc .
- Frequency range up to 5MHZ .
- Large current handling capability .

SHAPES AND DIMENSIONS :

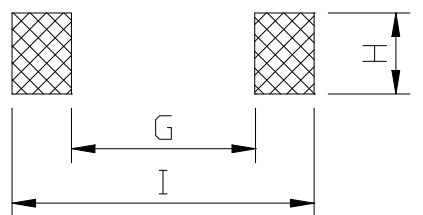
UNIT : mm



A=5.0 Max. B=4.4 Max. C=0.8±0.3 D=2.1 Max. E=1.5±0.3

RECOMMENDED PATTERNS

UNIT : mm



H=2.5 G= 2.2 I = 5.2

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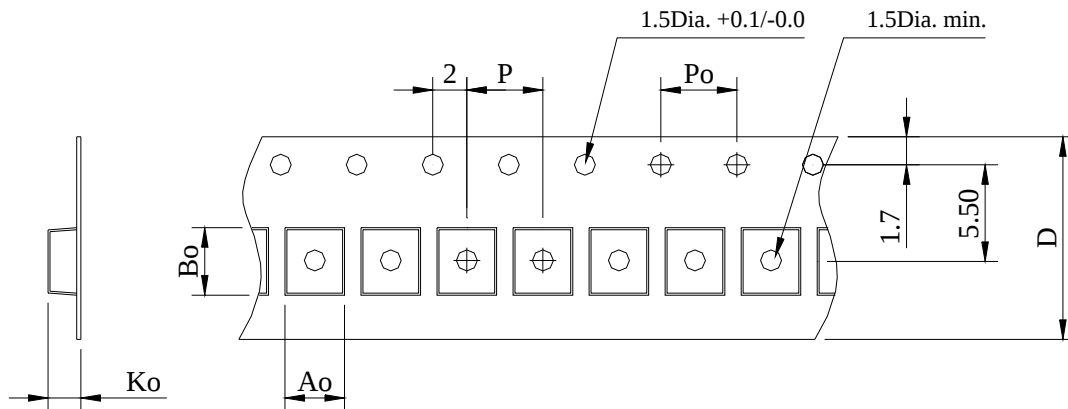
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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (m Ω) (Typ.)	DCR (m Ω) (Max.)	TEST FREQ. (f)
SEP0402EB-R10M-LF	0.10 $\pm$ 20%	35.0	11.0	4.5	5.0	100KHz/0.25V
SEP0402EB-R22M-LF	0.22 $\pm$ 20%	24.0	13.0	7.3	8.0	100KHz/0.25V
SEP0402EB-R47M-LF	0.47 $\pm$ 20%	11.5	5.60	16.0	18.0	100KHz/0.25V
SEP0402EB-1R0M-LF	1.0 $\pm$ 20%	8.50	3.75	33.0	37.0	100KHz/0.25V
SEP0402EB-2R2M-LF	2.2 $\pm$ 20%	6.00	2.85	80.0	90.0	100KHz/0.25V

- Isat : DC current at which the inductance drops 20% (typ) from its value without current.
- Irms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°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	4.5 $\pm$ 0.1	5.5 $\pm$ 0.1	2.3 $\pm$ 0.1	12	4.0	12