

SEP0615E SERIES

Low Profile High Current SMD Power Inductors



RoHS Compliant

PART NUMBERING SYSTEM

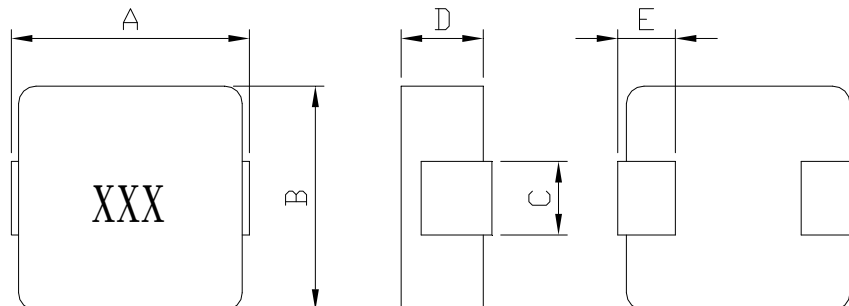
<u>SEP</u>	<u>0615E</u>	—	<u>3R3M</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Low profile (1.50mm max. height) and 7.5 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 :

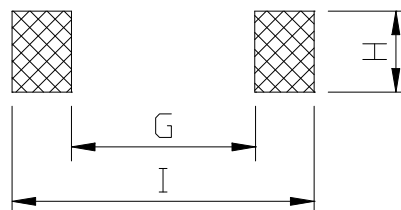
UNIT : mm



A=7.5 Max B=6.9 Max. C=3.0±0.3 D=1.5 Max. E=1.8±0.3

RECOMMENDED PATTERNS

UNIT : mm



H=3.5 G= 3.8 I = 8.0

SEP0615E SERIES

Low Profile High Current SMD Power Inductors



SPECIFICATION TABLE

RoHS Compliant

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (m Ω) (Typ.)	DCR (m Ω) (Max.)	TEST FREQ. (f)
SEP0615E-R22M-LF	0.22 $\pm$ 20%	22.0	14.0	4.3	5.2	100KHz/1V
SEP0615E-R33M-LF	0.33 $\pm$ 20%	18.0	11.0	6.6	7.6	100KHz/1V
SEP0615E-R47M-LF	0.47 $\pm$ 20%	16.0	9.5	9.0	10.3	100KHz/1V
SEP0615E-R68M-LF	0.68 $\pm$ 20%	15.0	7.5	13.8	15.2	100KHz/1V
SEP0615E-1R0M-LF	1.0 $\pm$ 20%	12.0	6.5	23.0	25.8	100KHz/1V
SEP0615E-1R5M-LF	1.5 $\pm$ 20%	10.5	5.6	29.0	34.0	100KHz/1V
SEP0615E-2R2M-LF	2.2 $\pm$ 20%	9.5	5.0	37.0	42.5	100KHz/1V
SEP0615E-2R5M-LF	2.5 $\pm$ 20%	6.5	4.5	48.0	55.0	100KHz/1V
SEP0615E-3R3M-LF	3.3 $\pm$ 20%	6.0	4.2	62.0	74.0	100KHz/1V
SEP0615E-4R7M-LF	4.7 $\pm$ 20%	5.0	3.8	96.0	111	100KHz/1V
SEP0615E-5R6M-LF	5.6 $\pm$ 20%	4.5	3.0	115	138	100KHz/1V
SEP0615E-6R8M-LF	6.8 $\pm$ 20%	3.5	2.6	128	148	100KHz/1V
SEP0615E-8R2M-LF	8.2 $\pm$ 20%	3.2	2.4	153	184	100KHz/1V
SEP0615E-100M-LF	10 $\pm$ 20%	2.8	2.3	180	216	100KHz/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 +125°C , Electrical specifications at 25°C.

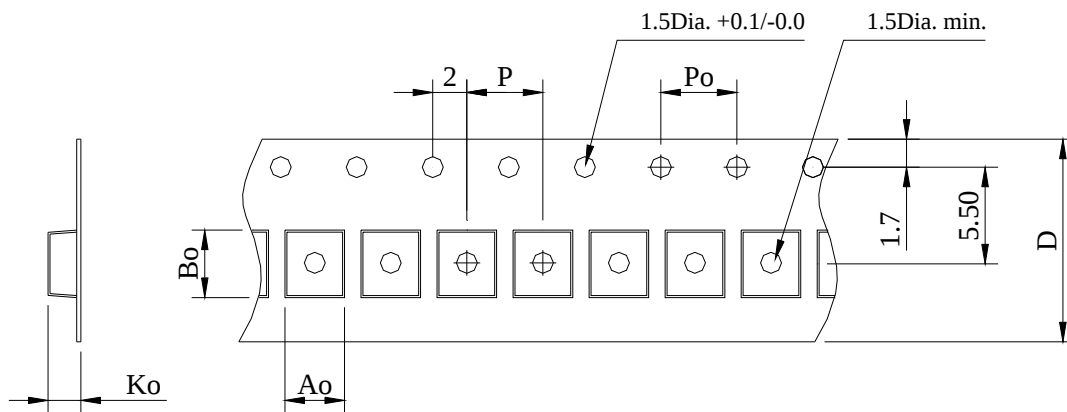
SEP0615E SERIES

Low Profile High Current SMD Power Inductors



RoHS Compliant

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D±0.3
13"	2,000	7.2	7.0	2.8	12	4.0	16