

## SEP1006K SERIES ~ High Current Power Inductors



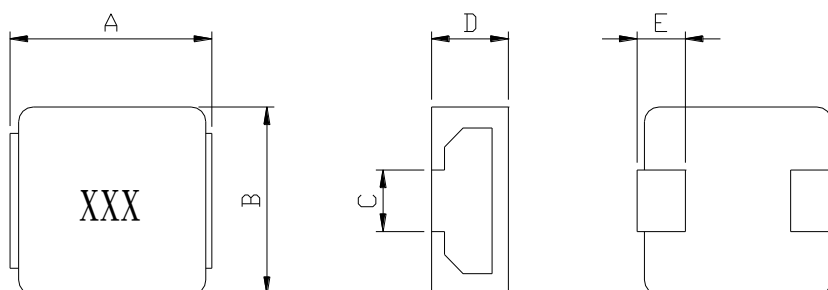
### PART NUMBERING SYSTEM

<b>SEP</b>	<b>1006K</b>	—	<b>1R5M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### FEATURES :

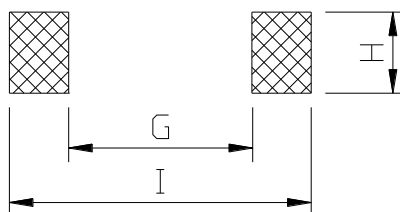
- Magnetically shielded and low DC resistance .
- Suitable for large current .
- Ideal for DC – DC converter inductor application in hand help personal Computer ,etc .
- Frequency range up to 5MHZ .
- Lead Free with RoHS compliant .

### SHAPES AND DIMENSIONS :



A=11.1 Max. B=10.4 Max. C=4.0±0.2 D=6.0 Max. E=2.2±0.3 UNIT : mm

### RECOMMENDED PATTERNS



H=4.6 G= 5.0 I = 12.6 UNIT : mm

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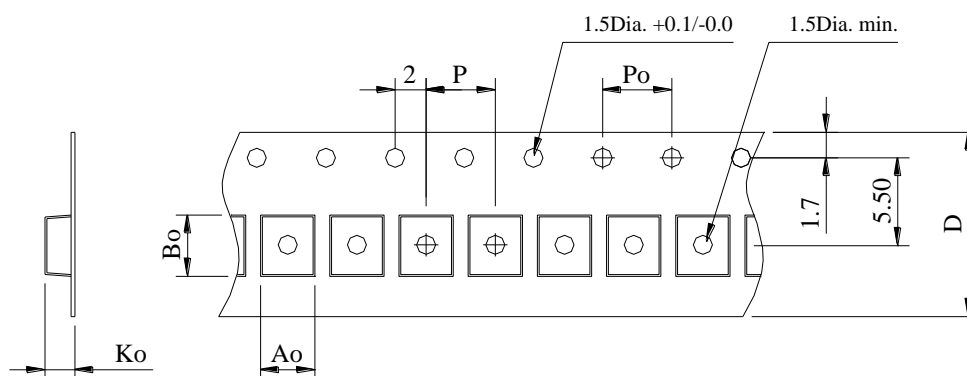


### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	Isat ( A ) (Typ.)	Irms ( A ) (Typ.)	DCR (m $\Omega$ ) (Max.)	TEST FREQ. ( f )
SEP1006K-R47M-LF	0.47 $\pm$ 20%	38.0	21.0	3.2	100KHz/0.1V
SEP1006K-R82M-LF	0.82 $\pm$ 20%	32.0	19.0	4.0	100KHz/0.1V
SEP1006K-1R5M-LF	1.5 $\pm$ 20%	28.0	17.0	5.0	100KHz/0.1V
SEP1006K-2R2M-LF	2.2 $\pm$ 20%	26.0	14.0	9.0	100KHz/0.1V
SEP1006K-3R3M-LF	3.3 $\pm$ 20%	19.0	11.0	12.0	100KHz/0.1V
SEP1006K-4R7M-LF	4.7 $\pm$ 20%	15.0	9.5	14.0	100KHz/0.1V
SEP1006K-6R8M-LF	6.8 $\pm$ 20%	12.5	8.5	17.0	100KHz/0.1V
SEP1006K-8R6M-LF	8.6 $\pm$ 20%	11.0	8.0	19.0	100KHz/0.1V
SEP1006K-110M-LF	11 $\pm$ 20%	9.0	7.5	24.0	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 +125°C , Electrical specifications at 25°C.

### PACKAGING SPECIFICATION



STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)					
		$A_o$	$B_o$	$K_o$	$P$	$P_o$	$D\pm 0.3$
13"	500	11.2	10.8	6.4	12	4.0	16