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## SEP1204S SERIES ~ High Current Power Inductors



### PART NUMBERING SYSTEM

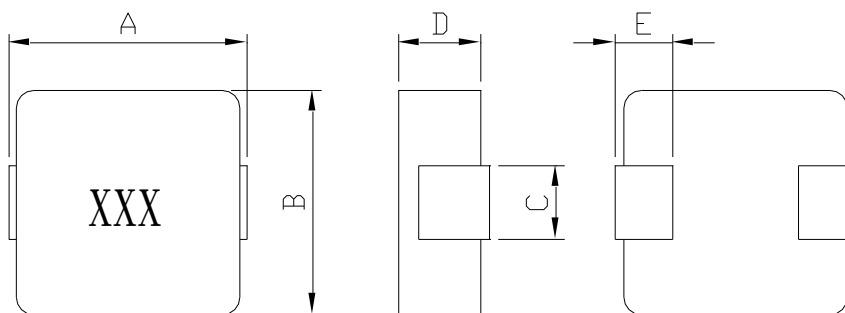
<b>SEP</b>	<b>1204S</b>	—	<b>R33M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### FEATURES:

- Low profile ( 3.50mm max. height ) and 13.5mm max. square.
- Magnetically shielded and low DC resistance.
- Suitable for large current.
- Ideal for DC – DC converter inductor application in hand help personal Computer, CD-ROM & DVD,etc .
- Large current handling capability.

### SHAPES AND DIMENSIONS:

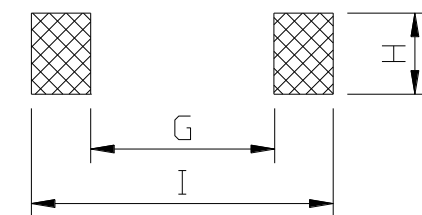
UNIT : mm



A=13.5 Max. B=13.0 Max. C=4.0±0.3 D=3.5 Max. E=2.2±0.3

### RECOMMENDED PATTERNS:

UNIT : mm



H=4.6 G=8.0 I=14.0

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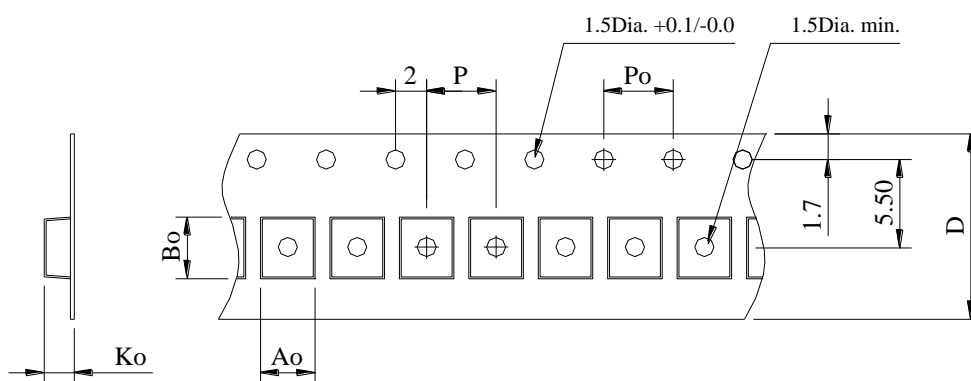


### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	Isat ( A ) (Min.)	Irms ( A ) (Min.)	DCR (m $\Omega$ ) (Max.)	TEST FREQ. ( f )
SEP1204S-R33M-LF	0.33 $\pm$ 20%	58.0	34.0	1.3	100KHz/0.1V
SEP1204S-R47M-LF	0.47 $\pm$ 20%	46.4	30.0	2.0	100KHz/0.1V
SEP1204S-R56M-LF	0.56 $\pm$ 20%	42.4	28.6	2.1	100KHz/0.1V
SEP1204S-R68M-LF	0.68 $\pm$ 20%	41.5	25.8	2.5	100KHz/0.1V
SEP1204S-R82M-LF	0.82 $\pm$ 20%	39.0	24.3	3.0	100KHz/0.1V
SEP1204S-1R0M-LF	1.0 $\pm$ 20%	37.0	21.0	3.2	100KHz/0.1V
SEP1204S-1R5M-LF	1.5 $\pm$ 20%	32.1	17.5	5.6	100KHz/0.1V
SEP1204S-2R2M-LF	2.2 $\pm$ 20%	29.2	14.8	7.8	100KHz/0.1V
SEP1204S-3R3M-LF	3.3 $\pm$ 20%	25.0	11.2	12.1	100KHz/0.1V
SEP1204S-4R7M-LF	4.7 $\pm$ 20%	22.0	9.7	15.2	100KHz/0.1V
SEP1204S-5R6M-LF	5.6 $\pm$ 20%	16.8	9.0	19.5	100KHz/0.1V
SEP1204S-6R8M-LF	6.8 $\pm$ 20%	16.0	8.0	23.0	100KHz/0.1V
SEP1204S-8R2M-LF	8.2 $\pm$ 20%	13.6	7.4	29.0	100KHz/0.1V
SEP1204S-100M-LF	10 $\pm$ 20%	12.9	6.4	35.0	100KHz/0.1V

- Isat : 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)					
		Ao	Bo	Ko	P	Po	D $\pm$ 0.3
13"	500	13.8	13.2	3.6	20	4.0	24



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