



SEP1204S SERIES

New Products



RoHS Compliant

High Current SMD Power Inductors

PART NUMBERING SYSTEM

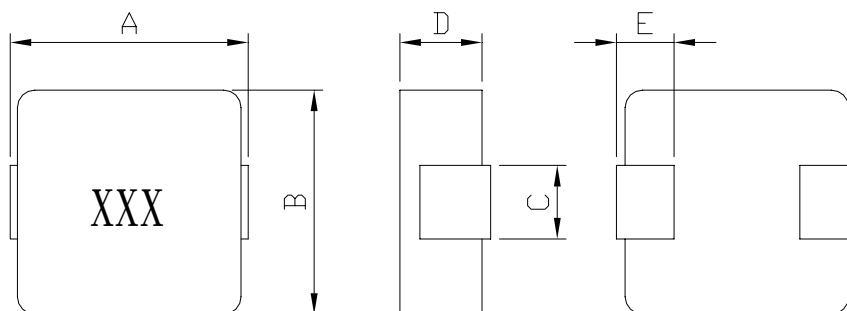
SEP	1 2 0 4 S	—	R 33 M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

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:

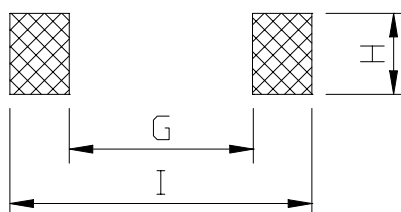
UNIT : mm



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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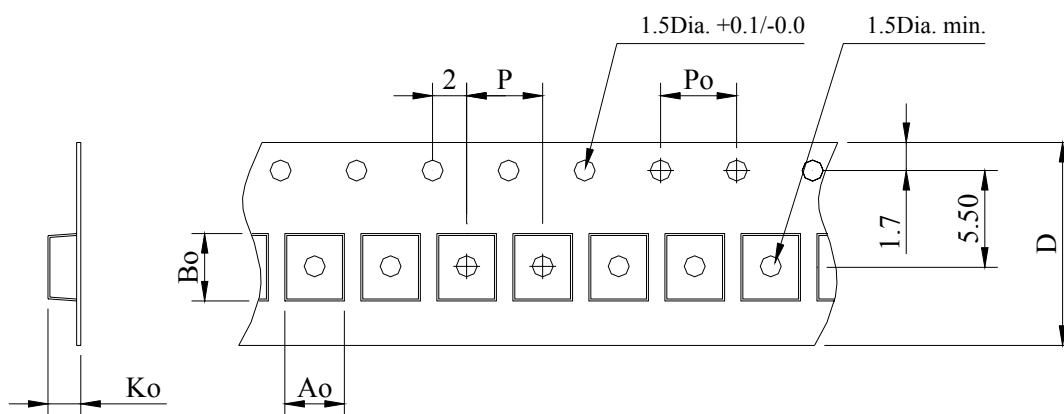
SPECIFICATION TABLE

RoHS Compliant

PART NUMBER	INDUCTANCE (μ H)	I _{sat} (A) (Min.)	I _{rms} (A) (Min.)	DCR (m Ω) (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

- 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)					
		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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