

SEP0605K SERIES

High Current SMD Power Inductors



RoHS Compliant

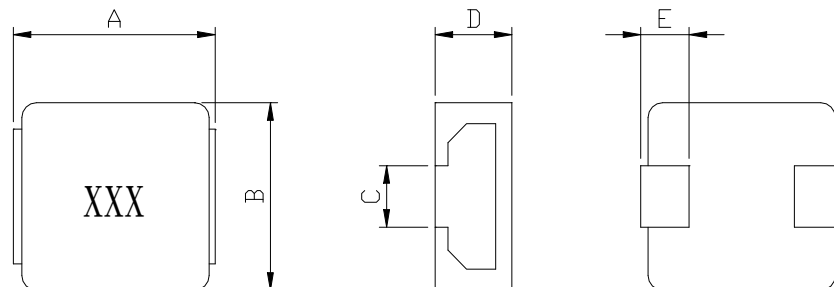
PART NUMBERING SYSTEM

<u>SEP</u>	<u>0605K</u>	—	<u>1R0M</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

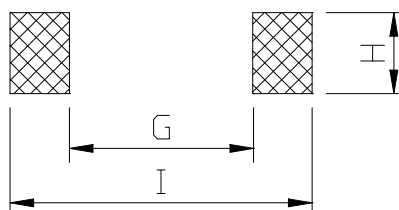
- Magnetically shielded and low DC resistance .
- Suitable for large current .
- Ideal for DC – DC converter inductor application in hand help personal Computer ,etc .
- Frequency range up to 5MHZ .
- Lead Free with RoHS compliant .

SHAPES AND DIMENSIONS :



A=7.3 Max. B=6.67 Max. C=3.0±0.2 D=5.0 Max. E=1.27±0.3 UNIT : mm

RECOMMENDED PATTERNS



H=3.5 G= 3.8 I = 8.0

UNIT : mm

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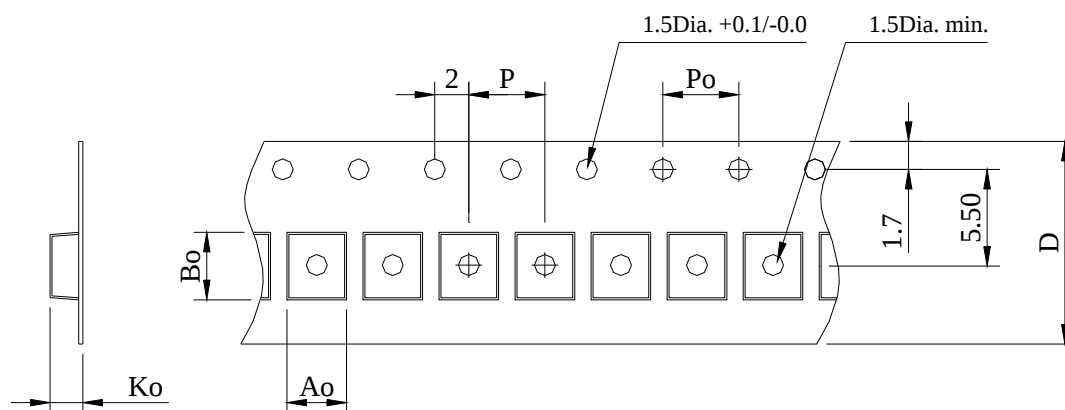
RoHS Compliant

SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (m Ω) (Max.)	TEST FREQ. (f)
SEP0605K-R47M-LF	0.47 $\pm$ 20%	23.0	20.0	3.0	100KHz/0.1V
SEP0605K-R68M-LF	0.68 $\pm$ 20%	20.5	18.5	4.5	100KHz/0.1V
SEP0605K-R82M-LF	0.82 $\pm$ 20%	18.5	16.5	6.0	100KHz/0.1V
SEP0605K-1R0M-LF	1.0 $\pm$ 20%	17.5	14.5	6.8	100KHz/0.1V
SEP0605K-1R5M-LF	1.5 $\pm$ 20%	16.0	13.0	7.5	100KHz/0.1V
SEP0605K-2R2M-LF	2.2 $\pm$ 20%	13.5	11.0	12.5	100KHz/0.1V
SEP0605K-3R3M-LF	3.3 $\pm$ 20%	11.0	10.0	18.0	100KHz/0.1V
SEP0605K-4R7M-LF	4.7 $\pm$ 20%	10.0	9.0	21.0	100KHz/0.1V
SEP0605K-6R8M-LF	6.8 $\pm$ 20%	8.5	7.0	39.0	100KHz/0.1V
SEP0605K-8R2M-LF	8.2 $\pm$ 20%	7.5	5.5	52.0	100KHz/0.1V
SEP0605K-100M-LF	10 $\pm$ 20%	6.0	4.5	65.0	100KHz/0.1V
SEP0605K-220M-LF	22 $\pm$ 20%	1.5	1.5	145.0	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"	1,000	7.2	7.0	5.4	12	4.0	16