



Low Profile High Current Power Inductors - SEP0612E SERIES



PART NUMBERING SYSTEM

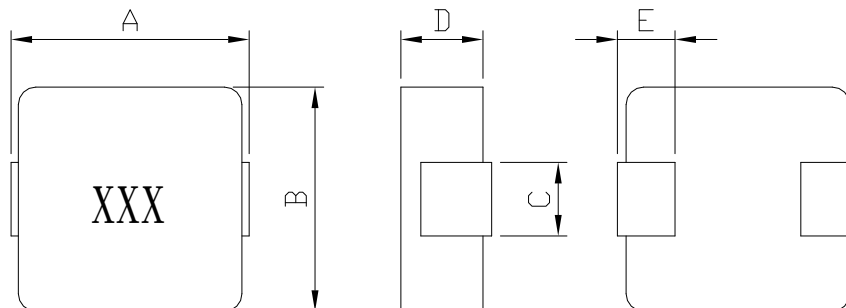
SEP	0612E	—	2R2M	— LF
TYPE	DIMENSIONS		INDUCTANCE	LEAD FREE

FEATURES :

- Low profile (1.25mm max. height) and 7.5 mm max. square.
- Inductance range : 0.47uH to 10uH with DC Current up to 11A.
- 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 with large current handling capability .

SHAPES AND DIMENSIONS :

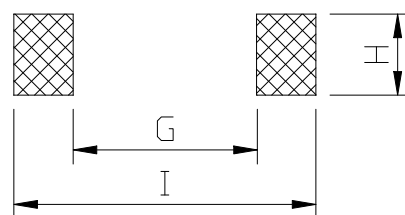
UNIT : mm



A=7.5 Max B=6.8 Max. C=3.0±0.3 D=1.25 Max. E=1.5±0.3

RECOMMENDED PATTERNS

UNIT : mm



H=3.5 G= 3.8 I = 8.0

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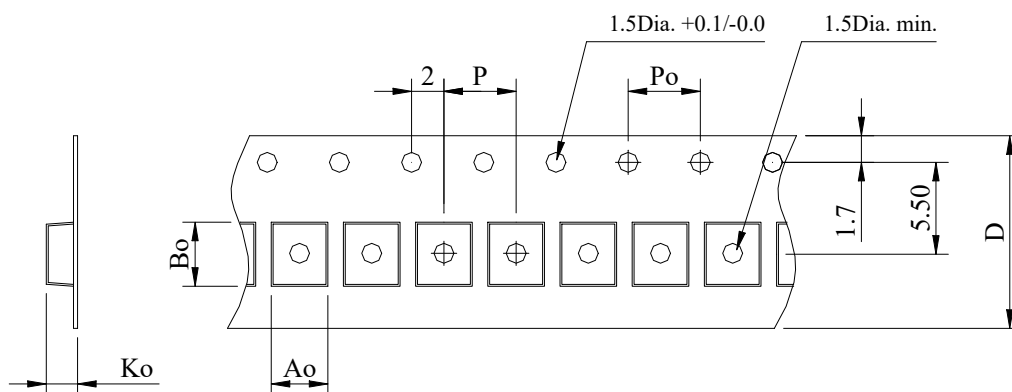


SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)
SEP0612E-R47M-LF	0.47±20%	11.0	8.0	15.0	17.0
SEP0612E-R68M-LF	0.68±20%	8.0	7.0	17.0	19.0
SEP0612E-1R0M-LF	1.0±20%	7.0	6.0	26.0	28.0
SEP0612E-1R5M-LF	1.5±20%	6.0	4.0	35.5	40.8
SEP0612E-2R2M-LF	2.2±20%	4.5	3.5	67.0	90.6
SEP0612E-3R3M-LF	3.3±20%	3.6	3.0	86.5	103
SEP0612E-4R7M-LF	4.7±20%	2.8	2.4	130	170
SEP0612E-6R8M-LF	6.8±20%	2.4	2.1	189	217
SEP0612E-100M-LF	10±20%	2.2	1.8	250	290

- Test Frequency at 100KHz/ 0.1V
- I sat : DC current at which the inductance drops 30% (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±0.3
13"	3000	7.2	7.0	1.4	12	4.0	16