Coilmaster Electronics Co., Ltd.
9F-3 No.398, Huan Bei Rd. Chung Li City, Taoyuan 320, Taiwan

Email: sales@bec.co.uk
Web: www.bec.co.uk
DISTRIBUTION LTD
FRANCHISED DISTRIBUTORS OF ELECTRONIC COMPONENTS

SEP0803E SERIES~ High Current SMD Power Inductors

RoHS COMPLIANT | REACH | Halogen Free

PART NUMBERING SYSTEM

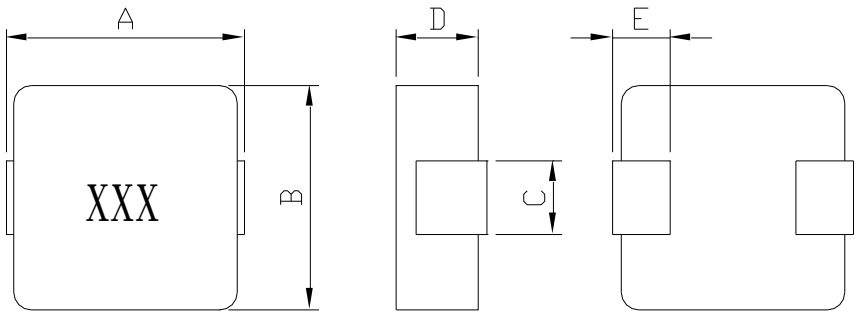
SEP	0803E	—	2R2M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Magnetically High Current Power Inductors .
- Low profile (3.0mm max. height) with Halogen Free , 100% lead (Pb) Free and RoHS compliant .
- Low acoustic noise and low leakage flux noise by shielded construction .

SHAPES AND DIMENSIONS :

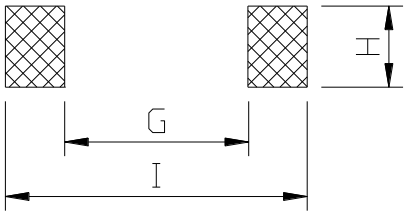
UNIT：mm



A=9.7±0.5 B=8.50 Max. C=5.0±0.5 D=3.0 Max. E=1.5±0.5

RECOMMENDED PATTERNS

UNIT：mm



H=5.33 Ref. G= 4.82 Ref. I = 9.65 Ref.

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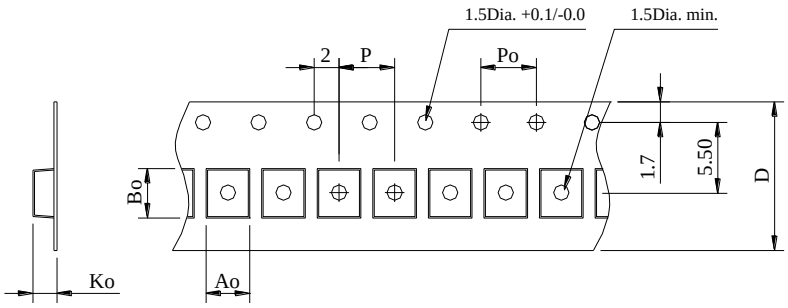
SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Max.)	Irms (A) (Typ.)	DCR (mΩ) (Max.)	TEST FREQ. (f)
SEP0803E-R22M-LF	0.22±20%	40.0	20.0	1.61	100KHz/0.25V
SEP0803E-R33M-LF	0.33±20%	39.0	16.0	2.57	100KHz/0.25V
SEP0803E-R47M-LF	0.47±20%	34.0	15.5	3.33	100KHz/0.25V
SEP0803E-R68M-LF	0.68±20%	32.5	14.0	3.99	100KHz/0.25V
SEP0803E-R82M-LF	0.82±20%	30.5	13.5	4.87	100KHz/0.25V
SEP0803E-1R0M-LF	1.0±20%	24.0	12.5	8.35	100KHz/0.25V
SEP0803E-1R5M-LF	1.5±20%	21.0	10.6	13.3	100KHz/0.25V
SEP0803E-2R2M-LF	2.2±20%	15.5	8.5	20.3	100KHz/0.25V
SEP0803E-3R3M-LF	3.3±20%	12.5	7.0	27.4	100KHz/0.25V
SEP0803E-4R7M-LF	4.7±20%	10.5	6.2	34.2	100KHz/0.25V
SEP0803E-6R8M-LF	6.8±20%	10.0	5.1	49.3	100KHz/0.25V
SEP0803E-8R2M-LF	8.2±20%	9.7	4.3	59.3	100KHz/0.25V
SEP0803E-100M-LF	10±20%	9.2	3.7	71.2	100KHz/0.25V

- I sat : DC current at which the inductance drops 25% (Max.) from its value without current.
- I rms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -40℃ to +120℃ ,

PACKAGING SPECIFICATION



STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
7"	1,000	8.7±0.1	10.2±0.1	3.1±0.1	16±0.1	4.0±0.1	24±0.3