



Metal Alloy High Current Power Inductors ~ SEP0402EN SERIES



PART NUMBERING SYSTEM

Rev1

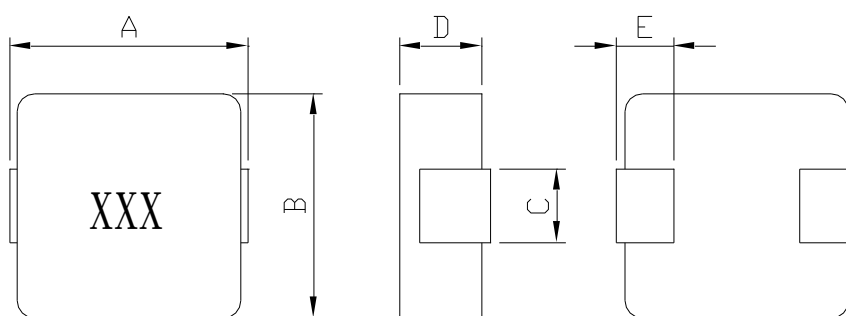
SEP	0402EN	—	3R3M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Low profile (2.1mm max. height) and 5.0 mm max. square.
- 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.
- Large current handling capability.
- Metal alloy molding construction and have ultra-low buzz noise
- Automotive / Customized part available

SHAPES AND DIMENSIONS :

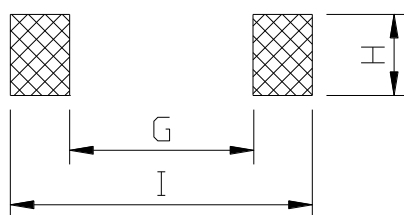
UNIT : mm



A=5.0 Max. B=4.45 Max. C=2.0±0.3 D=2.1 Max. E=0.8±0.3

RECOMMENDED PATTERNS

UNIT : mm



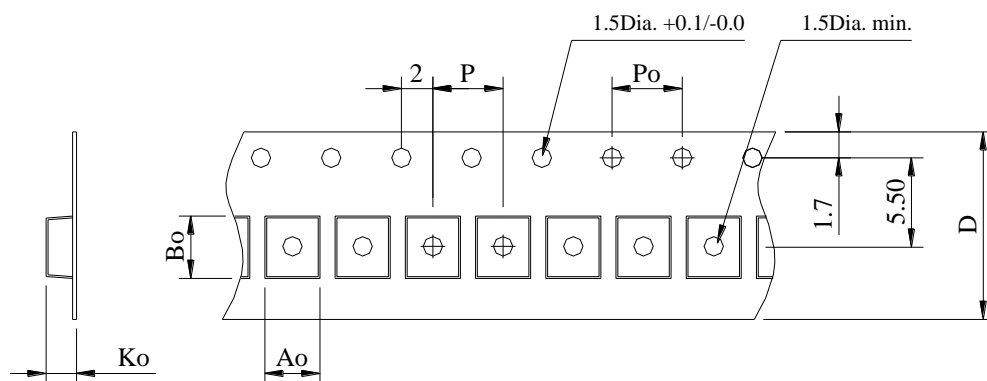
H=2.5 G= 2.2 I = 5.2

SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (m Ω) (Max.)	TEST FREQ. (f)
SEP0402EN-R10M-LF	0.10 \pm 20%	22.0	13.0	4.0	100KHz/1V
SEP0402EN-R22M-LF	0.22 \pm 20%	12.5	9.5	6.6	100KHz/1V
SEP0402EN-R33M-LF	0.33 \pm 20%	12.0	10.0	11.0	100KHz/1V
SEP0402EN-R47M-LF	0.47 \pm 20%	9.5	7.5	14.0	100KHz/1V
SEP0402EN-R56M-LF	0.56 \pm 20%	9.0	7.0	16.0	100KHz/1V
SEP0402EN-R68M-LF	0.68 \pm 20%	8.0	7.0	18.0	100KHz/1V
SEP0402EN-1R0M-LF	1.0 \pm 20%	7.0	6.0	27.0	100KHz/1V
SEP0402EN-1R2M-LF	1.2 \pm 20%	6.6	6.0	27.0	100KHz/1V
SEP0402EN-1R5M-LF	1.5 \pm 20%	5.5	5.0	46.0	100KHz/1V
SEP0402EN-2R2M-LF	2.2 \pm 20%	5.0	4.5	58.0	100KHz/1V
SEP0402EN-3R3M-LF	3.3 \pm 20%	3.5	3.3	87.0	100KHz/1V
SEP0402EN-4R7M-LF	4.7 \pm 20%	3.0	2.8	105.0	100KHz/1V
SEP0402EN-6R8M-LF	6.8 \pm 20%	2.5	2.4	175.0	100KHz/1V
SEP0402EN-100M-LF	10.0 \pm 20%	2.0	1.6	282.0	100KHz/1V
SEP0402EN-220M-LF	22.0 \pm 20%	1.4	1.2	363.0	100KHz/1V

- Isat : 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.
- Handle high current without saturation
- Ultra low buzz noise due to molded structure
- Excellent moisture resistance
- Applications: Notebook, IPC, Server, battery powered devices, POL converters, DC/DC converter

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D \pm 0.3
13"	3,000	4.4 \pm 0.3	4.9 \pm 0.3	2.3 \pm 0.3	8	4.0	12

All specifications are subject to change without notice.

Our specification limits the quality of the component to a single unit. Please ensure the component is thoroughly evaluated in your application circuit.

Revised MAR 2021