



SMD High Current Power Inductors - SEP1003EB SERIES



PART NUMBERING SYSTEM

SEP	1003EB	—	R36M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

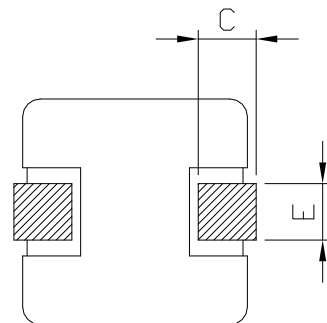
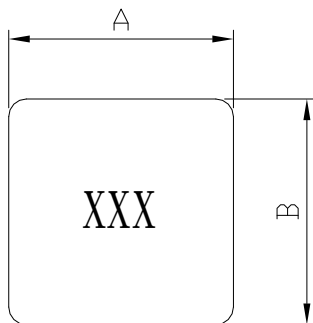
SHAPES AND DIMENSIONS :

UNIT : mm



FEATURES :

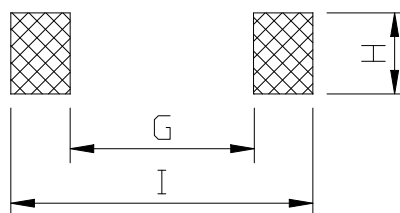
- * Low profile.
- * Magnetically shielded low DC resistance .
- * Suitable for large current application.
- * Laptop & Notebook computers.
- * Battery powered equipment.
- * DC/DC converters.
- * Digital 、 Cameras 、 Scanners, CD-ROM & DVD.



A=11.0±0.5 B=10.0±0.5 C=2.3±0.3 D=3.0 Max. E=3.0±0.3

RECOMMENDED PATTERNS

UNIT : mm



G=5.4 H=3.5 I= 13.6

UNIT : mm

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Typ.)	Irms (A) (Δ t) 40°C (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Type
SEP1003EB-R15N-LF	0.15±30%	60	35	0.90	1.10	non-leadframe
SEP1003EB-R22M-LF	0.22±20%	55	30	1.10	1.30	non-leadframe
SEP1003EB-R24M-LF	0.24±20%	50	30	1.20	1.40	non-leadframe
SEP1003EB-R33M-LF	0.33±20%	47	25	1.20	1.50	non-leadframe
SEP1003EB-R36M-LF	0.36±20%	40	23	1.30	1.60	non-leadframe
SEP1003EB-R47M-LF	0.47±20%	33	20	2.10	2.50	non-leadframe
SEP1003EB-R56M-LF	0.56±20%	24	16	2.60	3.00	leadframe
SEP1003EB-R82M-LF	0.82±20%	22	15	3.90	4.50	leadframe
SEP1003EB-1R0M-LF	1.00±20%	20	15	4.60	6.00	leadframe
SEP1003EB-1R5M-LF	1.50±20%	20	13	6.50	7.50	leadframe
SEP1003EB-2R2M-LF	2.20±20%	16	12	8.00	9.00	leadframe
SEP1003EB-3R3M-LF	3.30±20%	14	9.0	14.5	16.0	leadframe
SEP1003EB-4R7M-LF	4.70±20%	13	7.0	20.5	22.5	leadframe
SEP1003EB-5R6M-LF	5.60±20%	12	7.0	28.0	32.5	Leadframe
SEP1003EB-6R8M-LF	6.80±20%	9.5	6.5	30.2	35.0	Leadframe
SEP1003EB-8R2M-LF	8.20±20%	8.5	6.0	42.0	48.0	leadframe
SEP1003EB-100M-LF	10.0±20%	8.0	5.0	50.0	55.0	leadframe
SEP1003EB-150M-LF	15.0±20%	7.0	4.0	72.0	86.0	leadframe
SEP1003EB-220M-LF	22.0±20%	5.5	3.0	115	140	leadframe
SEP1003EB-470M-LF	47.0±20%	4.0	2.0	216	260	leadframe

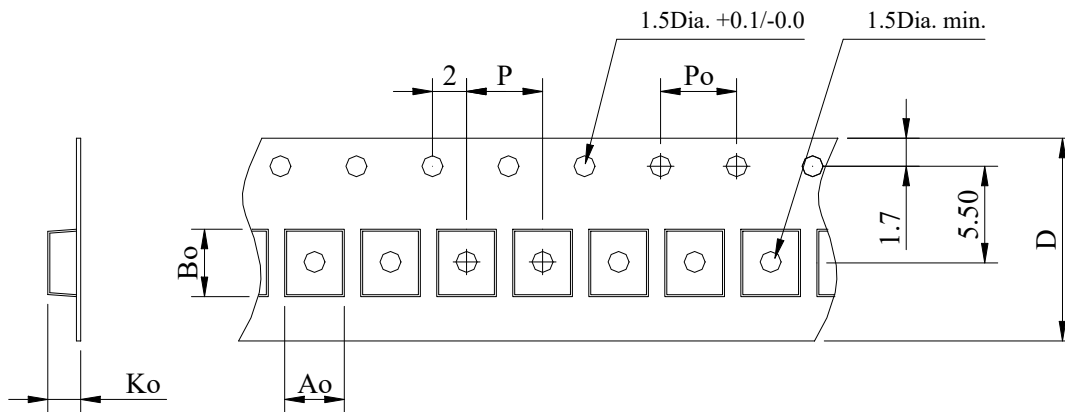
- Test Frequency at 100KHz/1V
- I sat : DC current at which the inductance drops 30% (typ) from its value without current.
- I rms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.



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PACKAGING SPECIFICATION



STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)					
		A_o	B_o	K_o	P	P_o	$D \pm 0.3$
13"	500	10.4 ± 0.1	11.6 ± 0.1	3.5 ± 0.1	16 ± 0.1	4.0	24 ± 0.3