



High Current SMD Power Inductors - SEP3015ET SERIES



PART NUMBERING SYSTEM

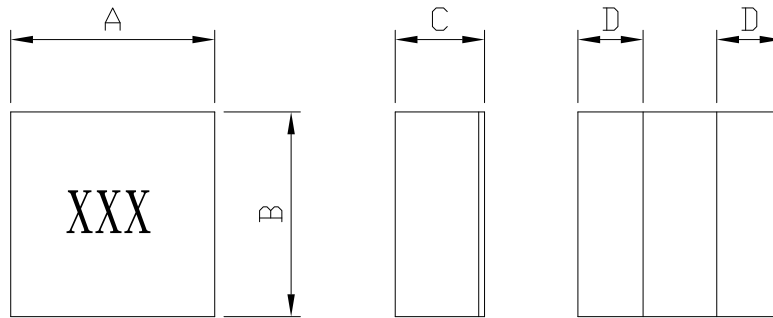
SEP	3015ET	—	1R0M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Magnetically High Current Power Inductors .
- Low profile (1.5mm max. height) and 3.2 mm max. square compact original design .
- Low acoustic noise and low leakage flux noise by shielded construction .
- Halogen Free , 100% lead (Pb) Free and RoHS compliant .

SHAPES AND DIMENSIONS :

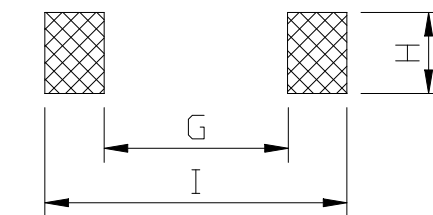
UNIT : mm



A=3.0±0.2 B=3.0±0.2 C=1.5 Max. D=1.2 Max.

RECOMMENDED PATTERNS

UNIT : mm



H=3.4 G= 0.8 I = 3.4

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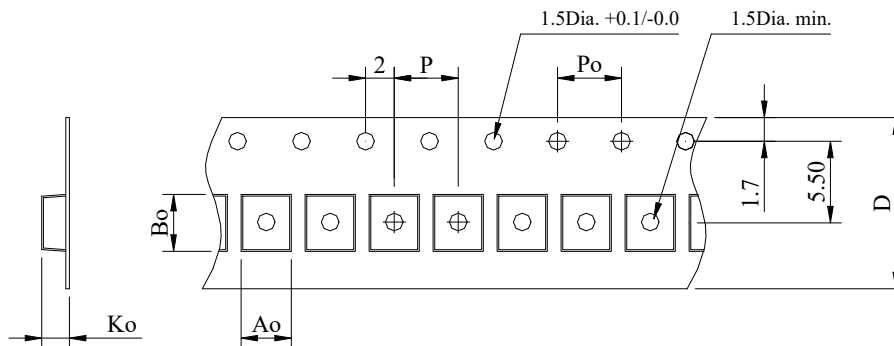


SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Max.)	Irms (A) (Typ.)	DCR (mΩ) (Max.)	TEST FREQ. (Freq.)
SEP3015ET-R47N-LF	0.47±30%	6.00	3.70	24.0	100KHz/1V
SEP3015ET-R68N-LF	0.68±30%	5.00	3.40	32.0	100KHz/1V
SEP3015ET-1R0M-LF	1.0±20%	4.40	2.70	47.0	100KHz/1V
SEP3015ET-2R2M-LF	2.2±20%	3.00	1.80	108	100KHz/1V
SEP3015ET-3R3M-LF	3.3±20%	2.90	1.70	131	100KHz/1V
SEP3015ET-4R7M-LF	4.7±20%	2.70	1.50	162	100KHz/1V
SEP3015ET-6R8M-LF	6.8±20%	2.30	1.10	287	100KHz/1V
SEP3015ET-100M-LF	10±20%	1.60	0.80	513	100KHz/1V
SEP3015ET-150M-LF	15±20%	1.71	0.65	830	100KHz/1V
SEP3015ET-220M-LF	22±20%	1.62	0.59	1040	100KHz/1V
SEP3015ET-330M-LF	33±20%	1.26	0.52	1330	100KHz/1V
SEP3015ET-470M-LF	47±20%	1.17	0.39	2300	100KHz/1V

- Isat : 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 -40°C to +120°C , Electrical specifications at 25°C.

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
7"	1,000	3.5±0.1	3.5±0.1	1.5±0.1	8±0.1	4.0±0.1	12±0.3