BADGER GLOBAL COMPONENTS
1510 Sylvania Ave #211 Sturtevant, WI 53177
262-884-9087 Fax 262-884-9082

SEP3012ET SERIES

High Current SMD Power Inductors

RoHS Compliant

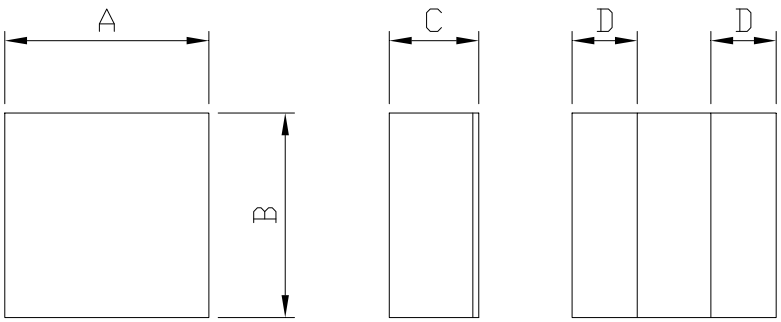
PART NUMBERING SYSTEM

SEP	3012ET	—	1R0M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

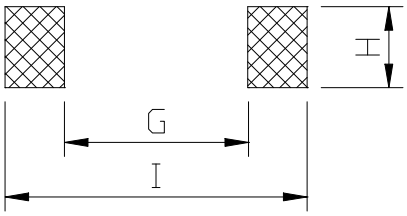
- Magnetically High Current Power Inductors .
- Low profile (1.2mm max. height) and 3.2 mm max. square compact original design .
- Low DC resistance and Suitable for large current .
- Low acoustic noise and low leakage flux noise by shielded construction .
- Ideal for DC – DC converter inductor application in hand help personal Computer ,etc .
- Halogen Free , 100% lead (Pb) Free and RoHS compliant .

SHAPES AND DIMENSIONS : UNIT : mm



A=3.2±0.2 B=3.2±0.2 C=1.2 Max. D=1.2 Max.

RECOMMENDED PATTERNS UNIT : mm



H=3.4 G= 0.8 I = 3.4

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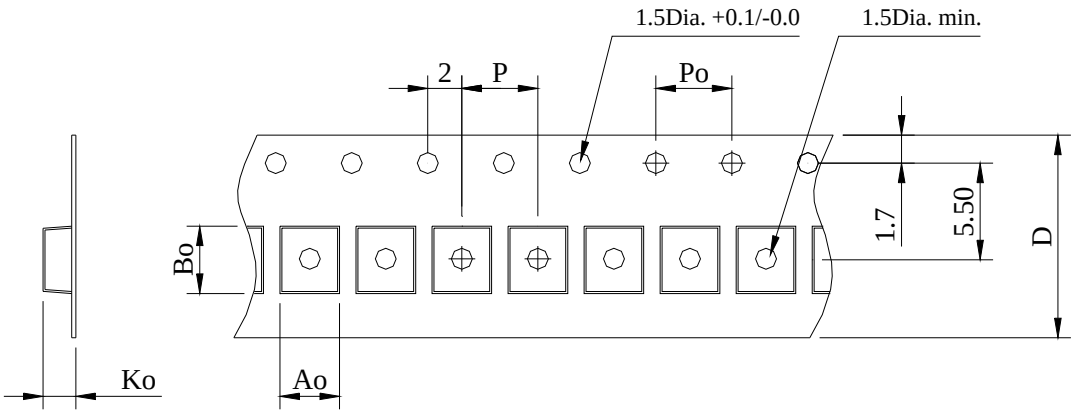
SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Max.)	Irms (A) (Typ.)	DCR (mΩ) (Max.)	TEST FREQ. (f)
SEP3012ET-R33N-LF	0.33±30%	11.1	3.40	22.8	100KHz/1V
SEP3012ET-R47N-LF	0.47±30%	9.40	3.20	26.4	100KHz/1V
SEP3012ET-R56N-LF	0.56±30%	8.50	3.00	34.8	100KHz/1V
SEP3012ET-R68N-LF	0.68±30%	7.70	2.70	43.2	100KHz/1V
SEP3012ET-1R0M-LF	1.0±20%	6.60	2.50	54.0	100KHz/1V
SEP3012ET-1R2M-LF	1.2±20%	6.30	2.30	66.0	100KHz/1V
SEP3012ET-1R5M-LF	1.0±20%	5.70	1.90	96.0	100KHz/1V
SEP3012ET-2R2M-LF	1.5±20%	4.60	1.70	115	100KHz/1V
SEP3012ET-3R3M-LF	2.2±20%	3.70	1.30	180	100KHz/1V
SEP3012ET-4R7M-LF	3.3±20%	3.30	1.00	308	100KHz/1V
SEP3012ET-5R6M-LF	4.7±20%	3.00	0.90	389	100KHz/1V
SEP3012ET-6R8M-LF	6.8±20%	2.40	0.80	424	100KHz/1V

- I sat : 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℃ to +125℃ , Electrical specifications at 25℃.

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	1.4±0.1	8±0.1	4.0±0.1	12±0.3