



Low Profile High Current Power Inductors -SEP2012ET SERIES



PART NUMBERING SYSTEM

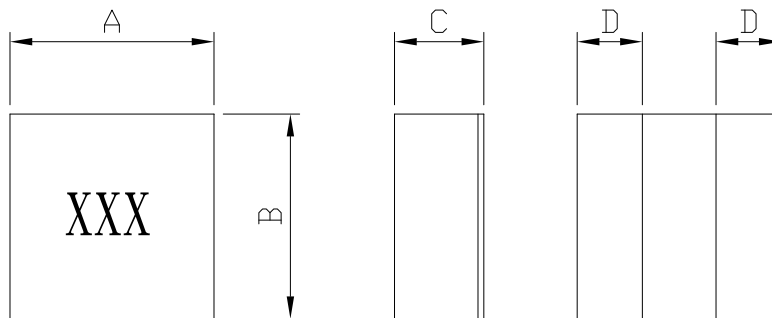
SEP	2012ET	—	R47M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Magnetically High Current Power Inductors .
- Low profile (1.2mm max. height) and 2.0 mm (Length) * 1.6mm (Width) compact original design .
- 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 :

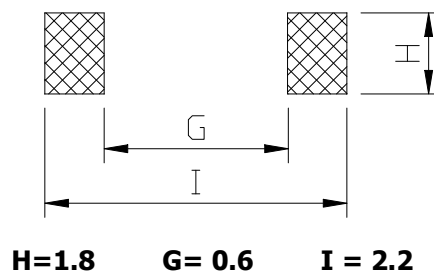
UNIT : mm



A=2.00±0.2 B=1.60±0.2 C=1.2Max. D=0.60±0.2

RECOMMENDED PATTERNS

UNIT : mm





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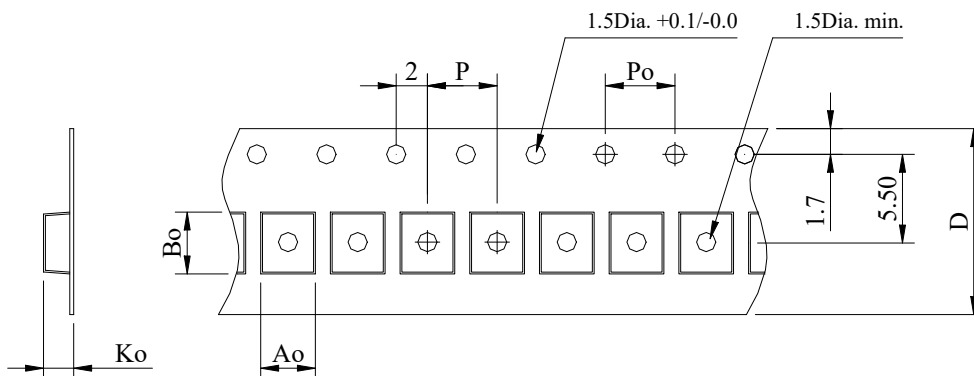


SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (m Ω) (Max.)	TEST FREQ. (Freq.)
SEP2012ET-R33N-LF	0.33 \pm 30%	4.50	2.50	53.0	1MHz/1V
SEP2012ET-R47N-LF	0.47 \pm 30%	4.40	2.30	63.0	1MHz/1V
SEP2012ET-R56N-LF	0.56 \pm 30%	4.10	2.10	73.0	1MHz/1V
SEP2012ET-R68N-LF	0.68 \pm 30%	4.00	2.00	84.0	1MHz/1V
SEP2012ET-R82N-LF	0.82 \pm 30%	3.30	1.90	92.0	1MHz/1V
SEP2012ET-1R0M-LF	1.0 \pm 20%	3.20	1.80	104	1MHz/1V
SEP2012ET-1R2M-LF	1.2 \pm 20%	2.90	1.50	136	1MHz/1V
SEP2012ET-1R5M-LF	1.5 \pm 20%	2.50	1.30	180	1MHz/1V
SEP2010ET-2R2M-LF	2.2 \pm 20%	1.90	1.10	270	1MHz/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 temp. range -40°C to +120°C .

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
13''	3,000	1.90 \pm 0.1	2.15 \pm 0.1	1.35 \pm 0.1	4.0 \pm 0.1	4.0 \pm 0.1	8 \pm 0.2