



SEP2512EE SERIES~ High Current SMD Power Inductors



PART NUMBERING SYSTEM

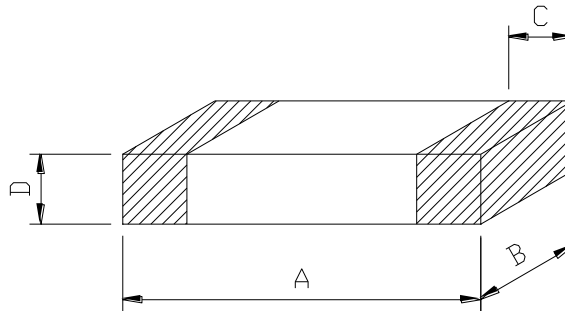
SEP	2512EE	—	R47M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Magnetically High Current Power Inductors .
- Low profile (1.2mm max. height) and 2.5 mm (Length) * 2.0mm (Width) 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 :

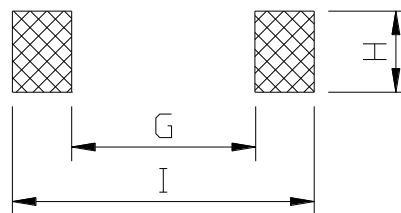
UNIT : mm



A=2.50±0.3 B=2.00±0.3 C=0.60±0.2 D=1.20Max.

RECOMMENDED PATTERNS

UNIT : mm



H=2.0 G= 1.2 I = 2.8



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Max.)	Irms (A) (Max.)	DCR (m Ω) (Typ.)	DCR (m Ω) (Max.)
SEP2512EE-R33M-LF	0.33 \pm 20%	5.70	4.30	24.0	20.0
SEP2512EE-R47M-LF	0.47 \pm 20%	5.10	3.90	28.0	23.0
SEP2512EE-R68M-LF	0.68 \pm 20%	4.40	3.60	32.0	27.0
SEP2512EE-R82M-LF	0.82 \pm 20%	3.90	3.40	38.0	32.0
SEP2512EE-1R0M-LF	1.0 \pm 20%	3.50	3.10	45.0	38.0
SEP2512EE-1R5M-LF	1.5 \pm 20%	2.80	2.70	78.0	65.0
SEP2512EE-2R2M-LF	2.2 \pm 20%	2.40	2.20	88.0	73.0
SEP2512EE-3R3M-LF	3.3 \pm 20%	1.80	1.70	153.0	128.0
SEP2512EE-4R7M-LF	4.7 \pm 20%	1.60	1.60	183.0	153.0

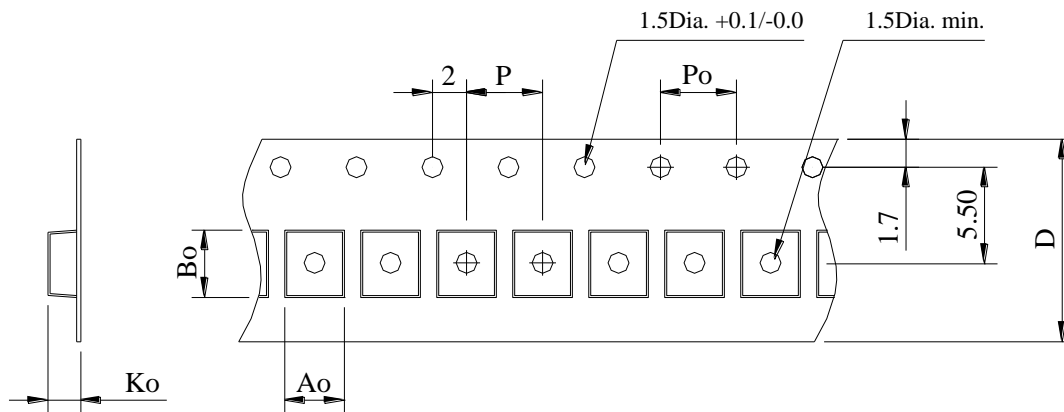
- I sat : DC current at which the inductance drops 30% (typ) from its value without current.
- I rms : Average current for a 40°C temperature rise above 25°C ambient.
- Test Frequency at 1MHz / 0.25V
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.



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PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
13"	2,000	2.27±0.1	2.74±0.1	1.3±0.1	4.0±0.1	4.0±0.1	8±0.2