

## SEP2510EF SERIES~ High Current SMD Power Inductors



### PART NUMBERING SYSTEM

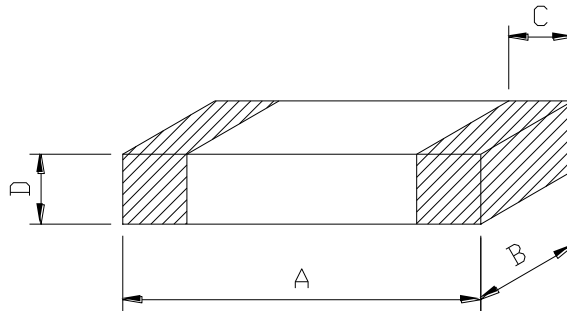
<b>SEP</b>	<b>2510EF</b>	—	<b>2R2M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### FEATURES :

- Magnetically High Current Power Inductors .
- Low profile ( 1.0mm 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 :

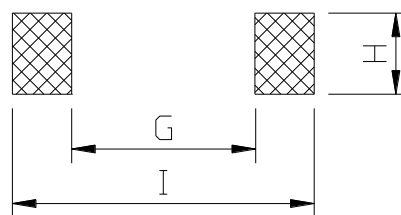
UNIT : mm



**A=2.50±0.3 B=2.00±0.3 C=0.60±0.3 D=1.00Max.**

### RECOMMENDED PATTERNS

UNIT : mm



**H=2.0 G= 1.2 I = 2.8**



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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	Isat ( A ) (Typ.)	Irms ( A ) (Typ.)	DCR (m $\Omega$ ) (Max.)
SEP2510EF-R33M-LF	0.33 $\pm$ 20%	6.50	4.80	24.0
SEP2510EF-R47M-LF	0.47 $\pm$ 20%	5.50	3.90	35.0
SEP2510EF-R68M-LF	0.68 $\pm$ 20%	4.50	3.70	40.0
SEP2510EF-1R0M-LF	1.0 $\pm$ 20%	3.70	3.00	53.0
SEP2510EF-1R5M-LF	1.5 $\pm$ 20%	3.10	2.40	75.0
SEP2510EF-2R2M-LF	2.2 $\pm$ 20%	2.50	2.20	97.0

- 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 2MHz / 0.2V
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.



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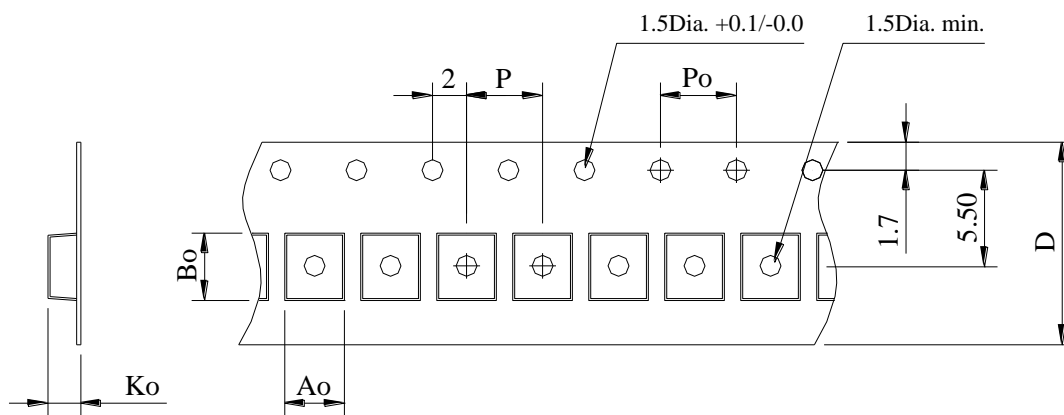
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### PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		$A_o$	$B_o$	$K_o$	$P$	$P_o$	$D$
13"	3,000	$2.25\pm0.1$	$2.80\pm0.1$	$1.1\pm0.1$	$4.0\pm0.1$	$4.0\pm0.1$	$8\pm0.2$