

SEP2510ET SERIES

High Current SMD Power Inductors



RoHS Compliant

PART NUMBERING SYSTEM

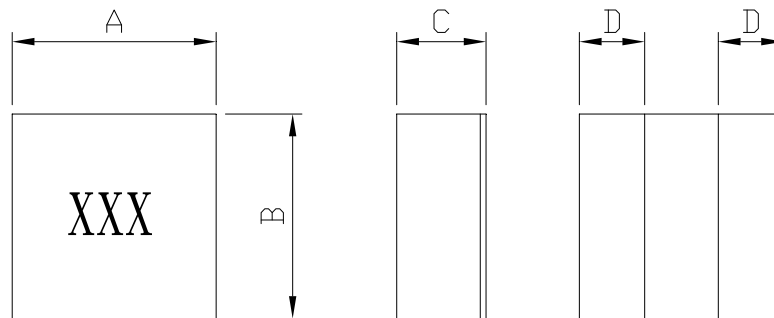
<u>SEP</u>	<u>2510ET</u>	—	<u>1R0M</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

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 :

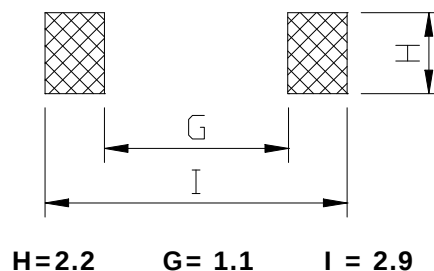
UNIT : mm



$$A=2.50\pm0.2 \quad B=2.00\pm0.2 \quad C=1.0\text{Max.} \quad D=0.70\pm0.2$$

RECOMMENDED PATTERNS

UNIT : mm



$$H=2.2 \quad G= 1.1 \quad I = 2.9$$

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Typ.)	Irms (A) (Typ.)	DCR (m Ω) (Max.)	TEST FREQ. (f)
SEP2510ET-R33M-LF	0.33 $\pm$ 30%	6.90	3.40	38.0	1MHz/1V
SEP2510ET-R47M-LF	0.47 $\pm$ 30%	6.00	3.00	48.0	1MHz/1V
SEP2510ET-R68N-LF	0.68 $\pm$ 30%	5.30	2.90	60.0	1MHz/1V
SEP2510ET-R82N-LF	0.82 $\pm$ 30%	5.10	2.60	69.0	1MHz/1V
SEP2510ET-1R0M-LF	1.0 $\pm$ 20%	4.70	2.50	75.0	1MHz/1V
SEP2510ET-1R2M-LF	1.2 $\pm$ 20%	3.90	1.90	106	1MHz/1V
SEP2510ET-1R5M-LF	1.5 $\pm$ 20%	3.10	1.80	110	1MHz/1V
SEP2510ET-2R2M-LF	2.2 $\pm$ 20%	2.70	1.40	173	1MHz/1V
SEP2510ET-3R3M-LF	3.3 $\pm$ 20%	2.10	1.10	253	1MHz/1V
SEP2510ET-4R7M-LF	4.7 $\pm$ 20%	2.00	0.90	388	1MHz/1V
SEP2510ET-6R8M-LF	6.8 $\pm$ 20%	1.80	0.80	648	1MHz/1V
SEP2510ET-8R2M-LF	8.2 $\pm$ 20%	1.70	0.70	743	1MHz/1V
SEP2510ET-100M-LF	10 $\pm$ 20%	1.60	0.60	843	1MHz/1V

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Irms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.

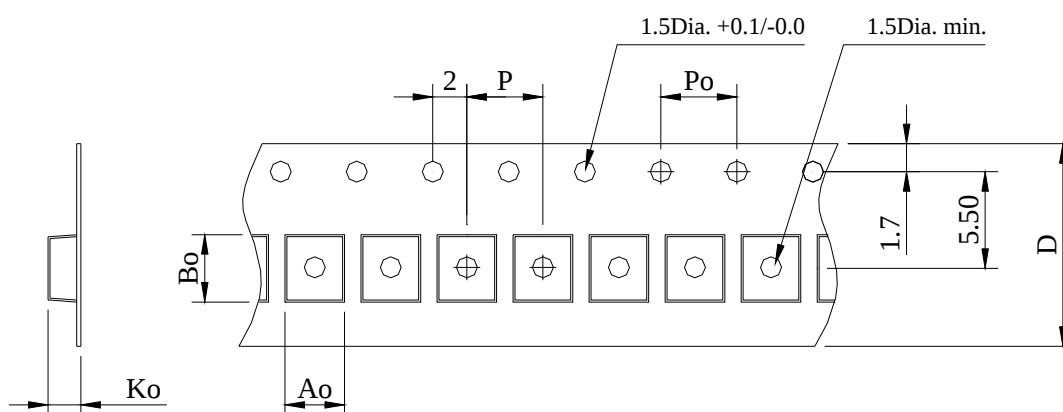
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PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
13"	3,000	2.30±0.1	2.75±0.1	1.3±0.1	4.0±0.1	4.0±0.1	8±0.2