



Coilmaster Electronics Co., Ltd.
9F-3 No.398, Huan Bei Rd. Chung Li City, Taoyuan 320, Taiwan

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SEP2512ET SERIES~ High Current SMD Power Inductors



PART NUMBERING SYSTEM

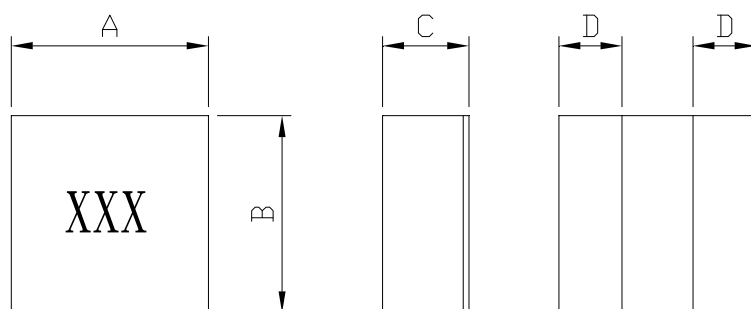
SEP	2512ET	—	1R0M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

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 :

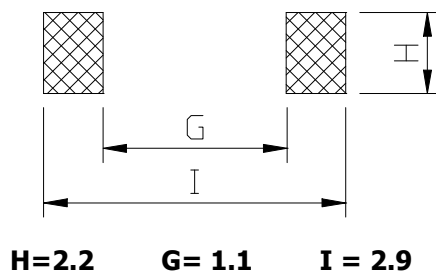
UNIT : mm



A=2.50±0.2 B=2.00±0.2 C=1.20Max. D=0.70±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) (Typ)	DCR (m Ω) (Max.)
SEP2512ET-R47M-LF	0.47 $\pm$ 30%	6.70	3.40	30.0	40.0
SEP2512ET-R56N-LF	0.56 $\pm$ 30%	6.40	3.10	37.0	49.0
SEP2512ET-R68N-LF	0.68 $\pm$ 30%	6.10	2.90	45.0	59.0
SEP2512ET-1R0M-LF	1.0 $\pm$ 20%	5.70	2.80	49.0	60.0
SEP2512ET-1R2M-LF	1.2 $\pm$ 20%	5.30	2.40	67.0	80.0
SEP2512ET-1R5M-LF	1.5 $\pm$ 20%	4.20	2.20	82.0	99.0
SEP2512ET-2R2M-LF	2.2 $\pm$ 20%	3.40	1.60	123	141
SEP2512ET-3R3M-LF	3.3 $\pm$ 20%	3.00	1.20	226	260
SEP2512ET-4R7M-LF	4.7 $\pm$ 20%	2.10	1.00	300	345
SEP2512ET-5R6M-LF	5.6 $\pm$ 20%	1.90	0.90	405	465
SEP2512ET-6R8M-LF	6.8 $\pm$ 20%	1.80	0.80	560	640
SEP2512ET-8R2M-LF	8.2 $\pm$ 20%	1.70	0.75	630	720
SEP2512ET-100M-LF	10 $\pm$ 20%	1.50	0.70	680	780

- 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 / 1V
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.



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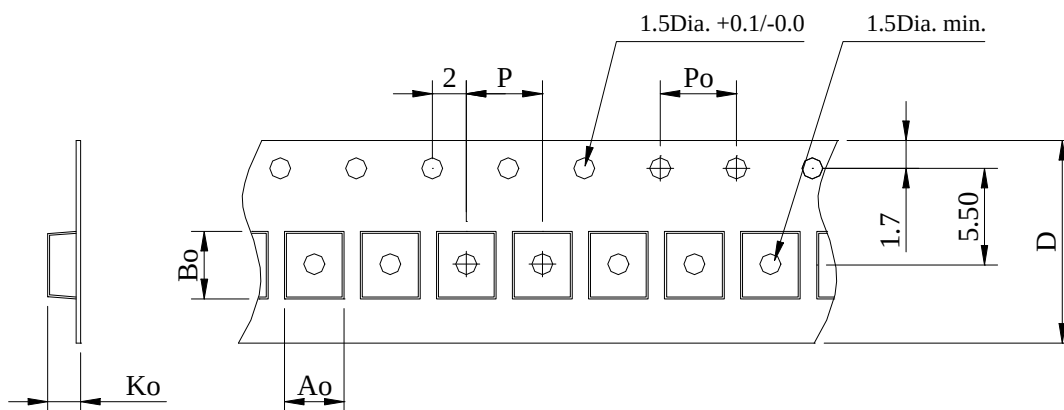
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PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		A_o	B_o	K_o	P	P_o	D
13"	3,000	2.30 ± 0.1	2.75 ± 0.1	1.3 ± 0.1	4.0 ± 0.1	4.0 ± 0.1	8 ± 0.2