

SMT Shielded Power Inductors - SEP2510ET-A SERIES



PART NUMBERING SYSTEM

(AEC-Q200)

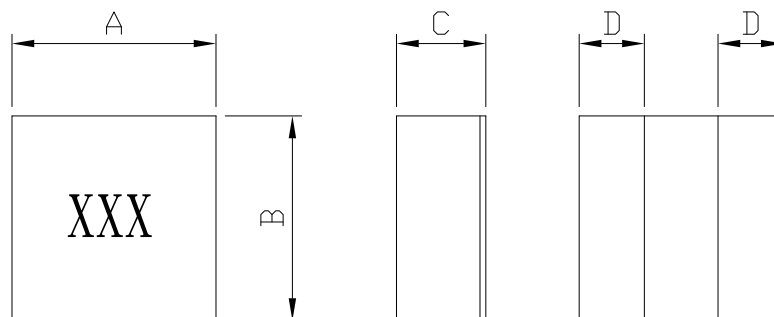
SEP	2510ET	—	1R5M	—	LF	—	A
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE		Automotive

FEATURES :

- Magnetically High Current Power Inductors .
- Low profile (1.0mm max. height) and 2.5 mm (Length) * 2.0mm (Width) compact original design .
- Low acoustic noise and low leakage flux noise by shielded construction .
- Halogen Free , 100% lead (Pb) Free and RoHS compliant .

SHAPES AND DIMENSIONS :

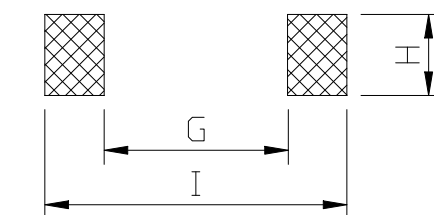
UNIT : mm



A=2.50±0.2 B=2.00±0.2 C=1.0Max. D=0.70±0.2

RECOMMENDED PATTERNS

UNIT : mm



H=2.2 G= 1.1 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-A	0.33 \pm 30%	6.90	3.40	38.0	1MHz/1V
SEP2510ET-R47M-LF-A	0.47 \pm 30%	6.00	3.00	48.0	1MHz/1V
SEP2510ET-R68N-LF-A	0.68 \pm 30%	5.30	2.90	60.0	1MHz/1V
SEP2510ET-R82N-LF-A	0.82 \pm 30%	5.10	2.60	69.0	1MHz/1V
SEP2510ET-1R0M-LF-A	1.0 \pm 20%	4.70	2.50	75.0	1MHz/1V
SEP2510ET-1R2M-LF-A	1.2 \pm 20%	3.90	1.90	106	1MHz/1V
SEP2510ET-1R5M-LF-A	1.5 \pm 20%	3.70	1.80	110	1MHz/1V
SEP2510ET-2R2M-LF-A	2.2 \pm 20%	2.70	1.40	173	1MHz/1V
SEP2510ET-3R3M-LF-A	3.3 \pm 20%	2.10	1.10	253	1MHz/1V
SEP2510ET-4R7M-LF-A	4.7 \pm 20%	2.00	0.90	388	1MHz/1V
SEP2510ET-6R8M-LF-A	6.8 \pm 20%	1.70	0.80	648	1MHz/1V
SEP2510ET-8R2M-LF-A	8.2 \pm 20%	1.60	0.70	743	1MHz/1V
SEP2510ET-100M-LF-A	10 \pm 20%	1.40	0.60	843	1MHz/1V

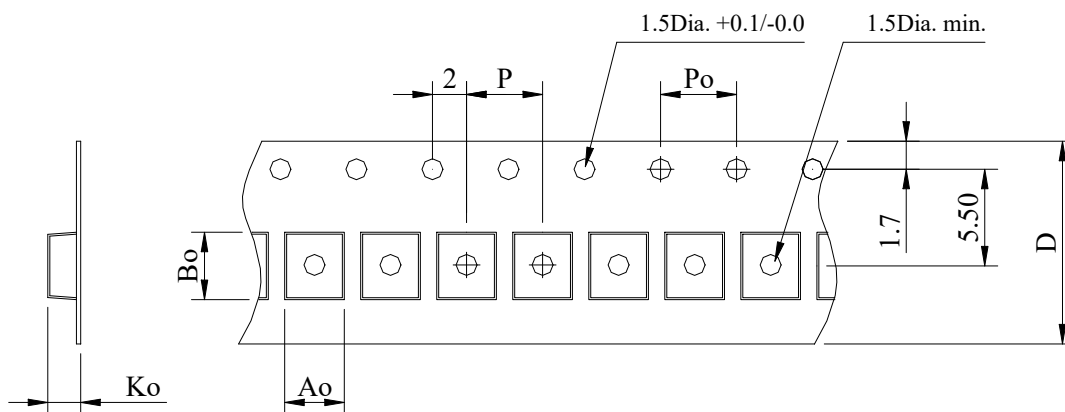
- Isat : DC current at which the inductance drops 20% (typ) from its value without current.
- I rms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -40°C to +120°C , Electrical specifications at 25°C.



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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