



Flat Wire High Efficiency SMD Inductor SEP1206A



PART NUMBERING SYSTEM

SEP	1206A	—	1R8M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

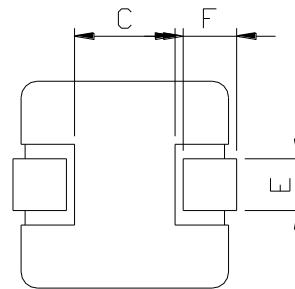
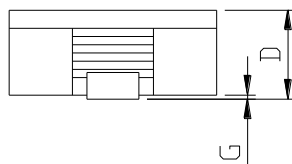
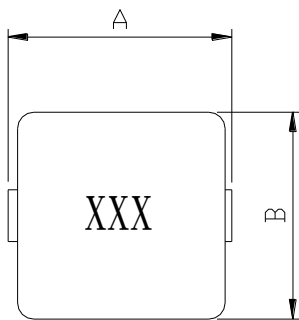
SHAPES AND DIMENSIONS :

UNIT : mm



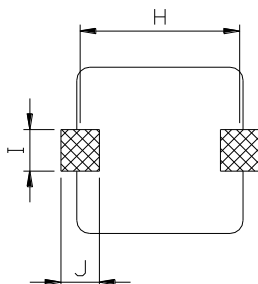
FEATURES :

- * Low profile.
- * Magnetically shielded low DC resistance .
- * Suitable for large current application.
- * Prevent EMI effect via precise impedance
- * Laptop & Notebook computers.
- * Battery powered equipment.
- * DC/DC converters.
- * Digital 、 Cameras 、 Scanners, CD-ROM & DVD.



A=13.0±1.0 B=12.8±0.5 D=6.5 Max. E=3.0±1.0 F=3.0±1.0 UNIT : mm

RECOMMENDED PATTERNS



H=10.50 I= 5.00 J= 4.50 UNIT : mm

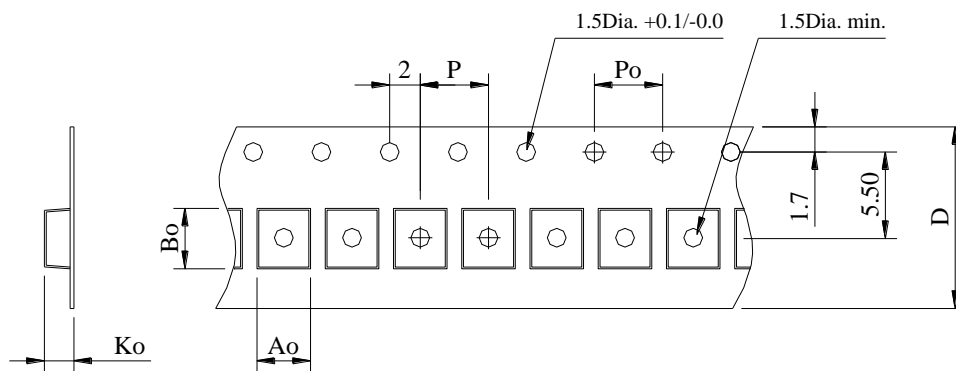


SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	I _{sat} (A) (Typ.)	I _{rms} (A) (Δt) 40°C (Typ.)	DCR (mΩ) (Max.)	Test Freq. (KHz)
SEP1206A-R20M-LF	0.20±20%	65.0	32.0	0.39	100KHz/0.1V
SEP1206A-R47M-LF	0.47±20%	50.0	30.0	0.74	100KHz/0.1V
SEP1206A-R82M-LF	0.82±20%	35.0	27.0	0.99	100KHz/0.1V
SEP1206A-1R3M-LF	1.30±20%	25.0	25.0	1.98	100KHz/0.1V
SEP1206A-2R0M-LF	2.00±20%	22.0	23.0	2.86	100KHz/0.1V
SEP1206A-2R8M-LF	2.80±20%	17.5	20.0	3.63	100KHz/0.1V
SEP1206A-3R7M-LF	3.70±20%	16.0	17.0	5.39	100KHz/0.1V
SEP1206A-4R7M-LF	4.70±20%	15.0	13.0	7.7	100KHz/0.1V
SEP1206A-6R0M-LF	6.00±20%	14.0	12.0	9.24	100KHz/0.1V
SEP1206A-7R3M-LF	7.30±20%	12.0	13.0	6.49	100KHz/0.1V
SEP1206A-9R2M-LF	9.20±20%	10.5	12.0	8.58	100KHz/0.1V
SEP1206A-110M-LF	11.3±20%	9.5	11.0	10.0	100KHz/0.1V
SEP1206A-130M-LF	13.0±20%	9.0	10.0	12.32	100KHz/0.1V
SEP1206A-150M-LF	15.4±20%	8.0	9.0	16.28	100KHz/0.1V
SEP1206A-220M-LF	22.0±20%	6.5	6.0	27.17	100KHz/0.1V

- 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.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.
- Custom design available.

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D±0.3
13"	500	13.5	14.0	6.7	16	4.0	24

Our specification limit the quality of the component to a single unit.
 Please ensure the component is thoroughly evaluated in your application circuit
 Revised Feb 2023