



SEP2510EE SERIES~ High Current SMD Power Inductors



PART NUMBERING SYSTEM

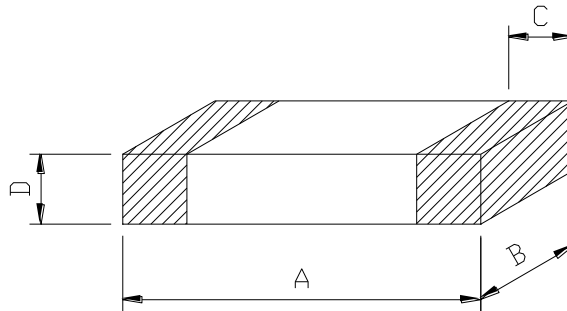
SEP	2510EE	—	1R0M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

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 :

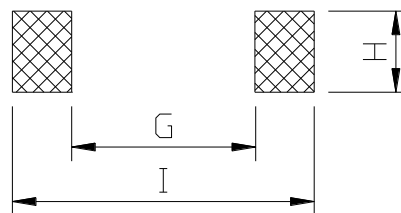
UNIT : mm



A=2.50±0.3 B=2.00±0.3 C=0.60±0.2 D=1.00Max.

RECOMMENDED PATTERNS

UNIT : mm



H=2.0 G= 1.2 I = 2.8



SEP2510EE SERIES~ High Current SMD Power Inductors

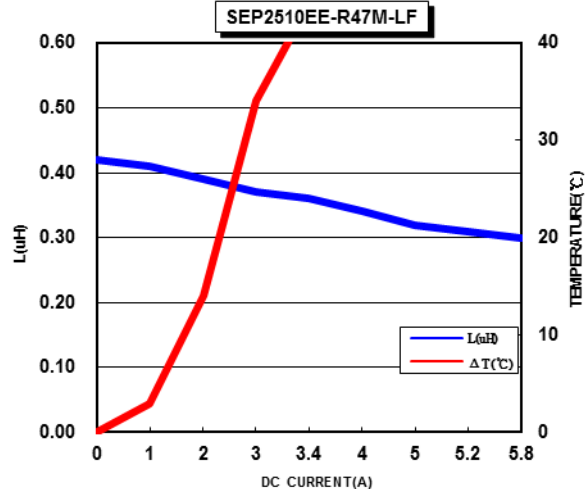
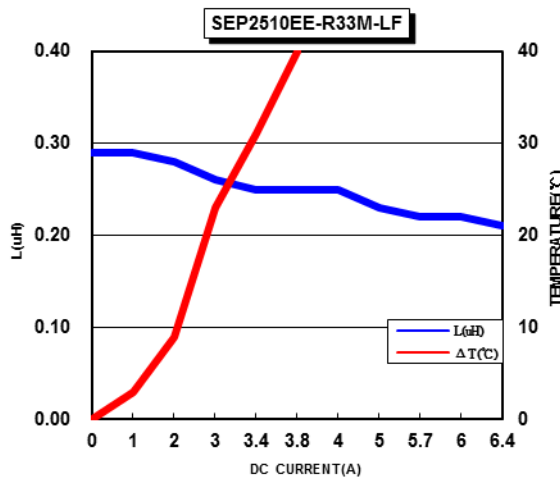


SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Max.)	Irms (A) (Max.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)
SEP2510EE-R33M-LF	0.33±20%	5.70	3.40	27.0	32.0
SEP2510EE-R47M-LF	0.47±20%	5.20	3.00	33.0	40.0
SEP2510EE-R68M-LF	0.68±20%	4.60	2.70	40.0	48.0
SEP2510EE-R82M-LF	0.82±20%	4.30	2.50	45.0	54.0
SEP2510EE-1R0M-LF	1.0±20%	4.00	2.20	52.0	62.0
SEP2510EE-1R5M-LF	1.5±20%	2.80	1.80	85.0	102.0
SEP2510EE-2R2M-LF	2.2±20%	2.50	1.60	105.0	126.0
SEP2510EE-3R3M-LF	3.3±20%	1.90	1.30	175.0	210.0
SEP2510EE-4R7M-LF	4.7±20%	1.80	1.20	214.0	257.0

- 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.
- Test Frequency at 1MHz / 0.25V
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.

Typical L vs Current

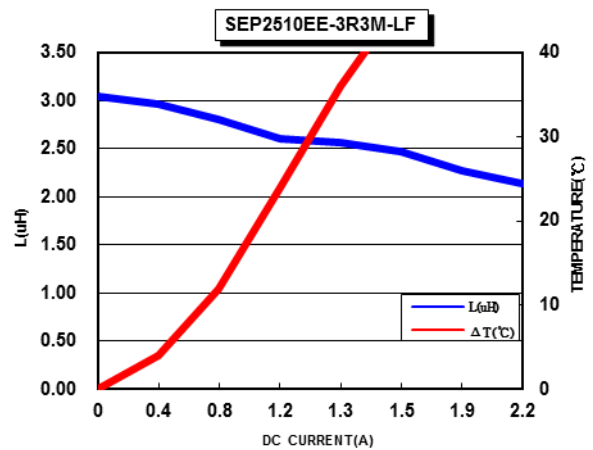
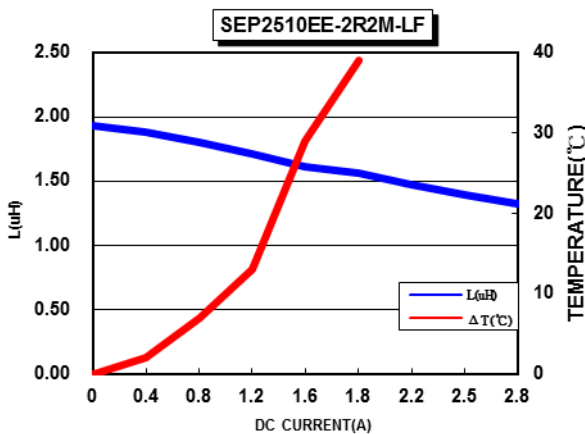
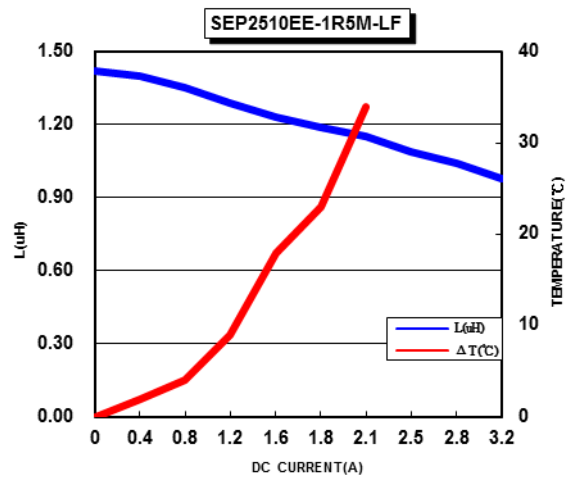
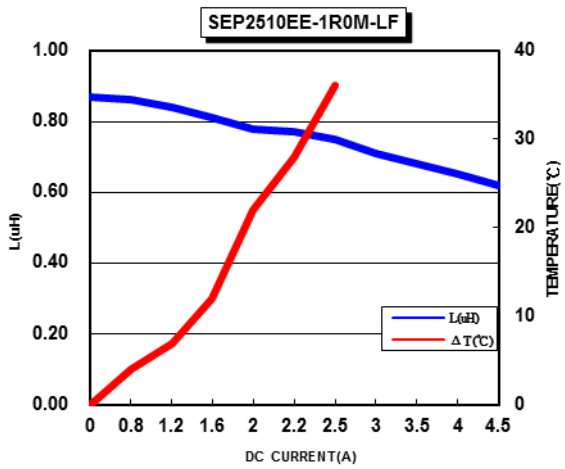
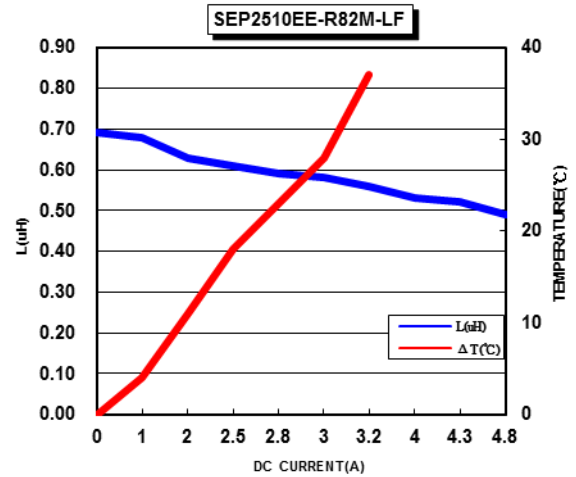
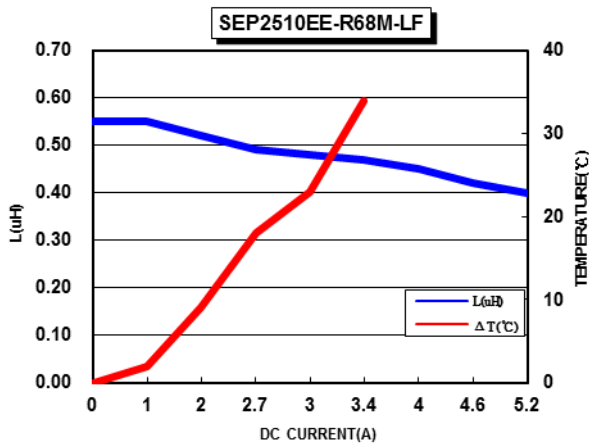
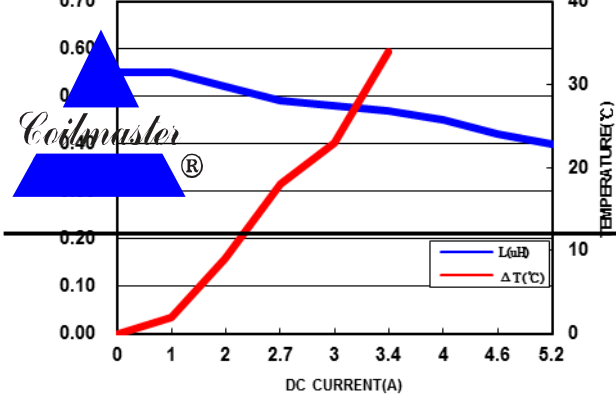




td.
uan 320, Taiwan
452-5688

E-mail : info@coilmaster.com.tw
Web Site : www.coilmaster.com.tw

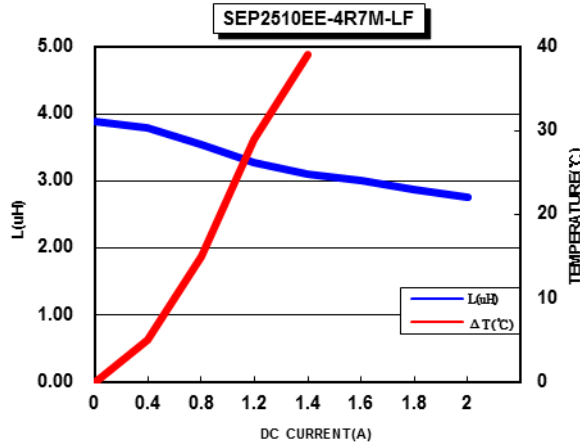
Current SMD Power Inductors



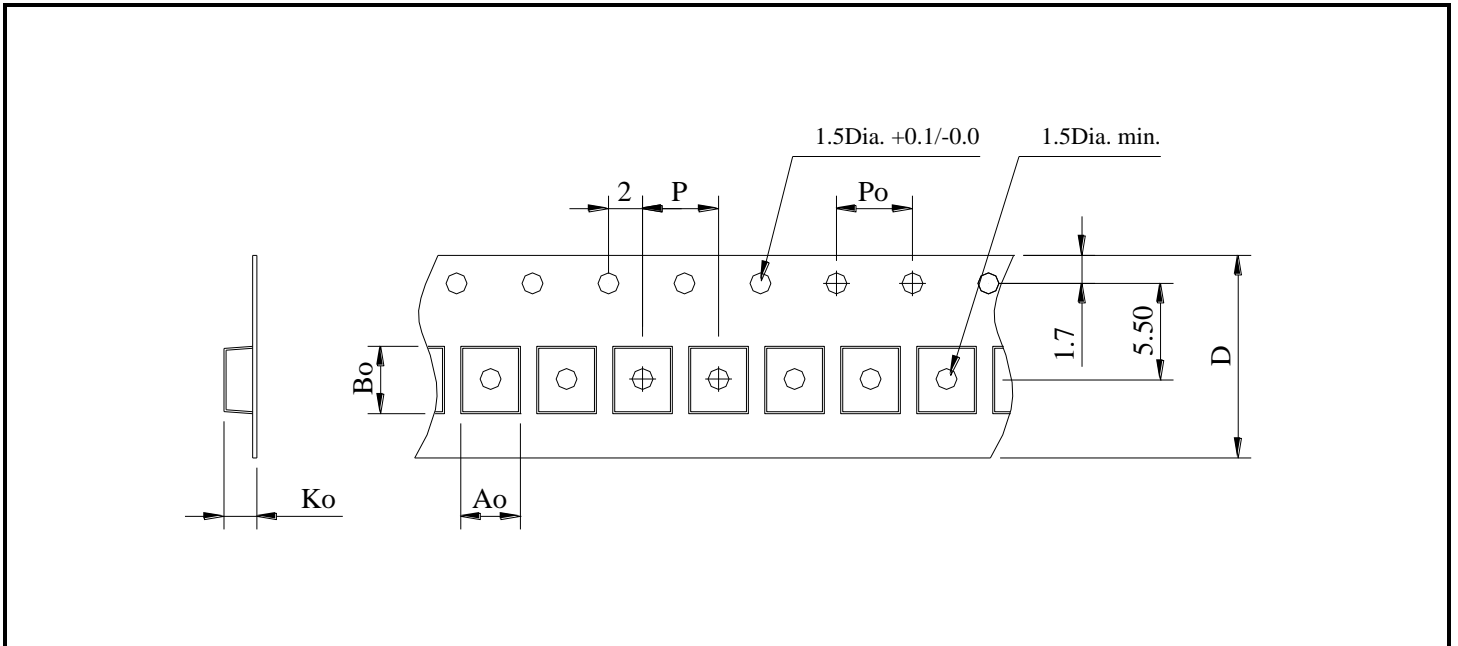


SEP2510EE SERIES~ High Current SMD Power Inductors

Typical L vs Current



PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
7"	2,000	2.27±0.1	2.74±0.1	1.3±0.1	4.0±0.1	4.0±0.1	8±0.2