Coilmaster Electronics Co., Ltd.
9F-3 No.398, Huan Bei Rd. Chung Li City, Taoyuan 320, Taiwan
Tel : +886-3-422-8279 Fax : +886-3-422-8734
E-mail : info@coilmaster.com.tw
Web Site : www.coilmaster.com.tw

SEP1809E SERIES~ High Current SMD Power Inductors

RoHS COMPLIANT | REACH | Halogen Free

PART NUMBERING SYSTEM

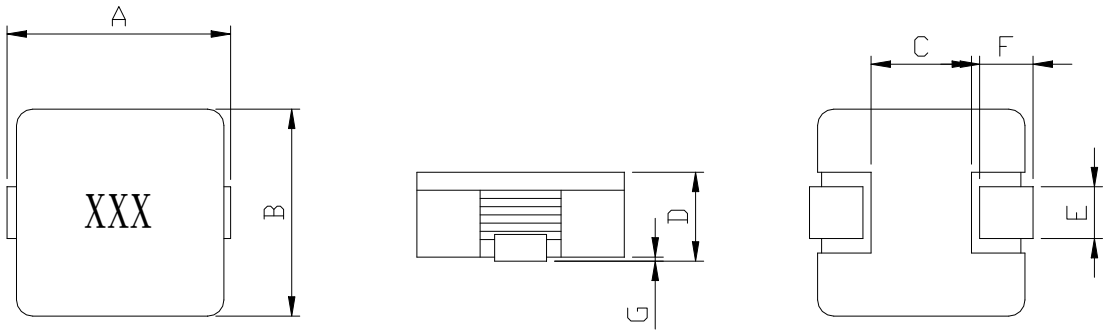
SEP	1809E	–	100M	–	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

* Magnetically shielded low DC resistance .
* High Frequency Range .
* Handles high transient current spikes without saturation.
* Ultra low buzz noise, due to composite construction
* Application for DC/DC converter and PDA/notebook/desktop/server .

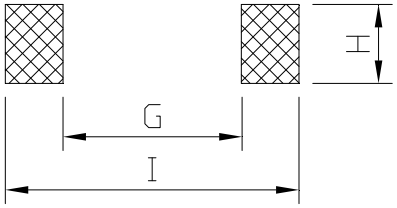
SHAPES AND DIMENSIONS :

UNIT：mm



A=19.3 Max. B=18.2 ± 0.5 D=9.2 Max. E=4.2 ± 0.5 F=4.5 ± 1.0

RECOMMENDED PATTERNS



G=7.30 H= 6.00 I= 19.3

Coilmaster Electronics Co., Ltd.
9F-3 No.398, Huan Bei Rd. Chung Li City, Taoyuan 320, Taiwan
Tel : +886-3-422-8279 Fax : +886-3-422-8734
E-mail : info@coilmaster.com.tw
Web Site : www.coilmaster.com.tw

SEP1809E SERIES~ High Current SMD Power Inductors

SPECIFICATION TABLE

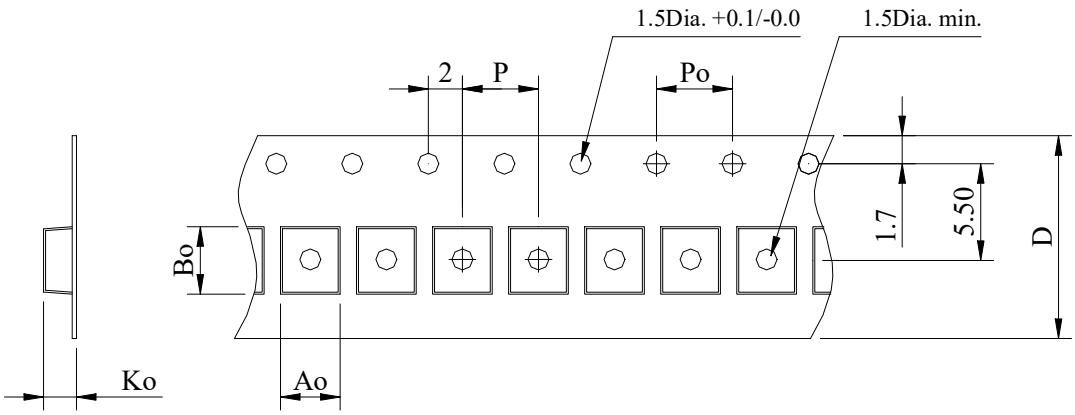
PART NUMBER	INDUCTANCE (µH)	Isat (A) (Typ.)	DCR (mΩ) (Max.)	Test Freq. (KHz)
SEP1809E-1R9M-LF	1.9±20%	40.0	1.4	100KHz/1V
SEP1809E -4R7M-LF	4.7±20%	30.0	2.85	100KHz/1V
SEP1809E -5R6M-LF	5.6±20%	27.0	3.55	100KHz/1V
SEP1809E -6R0M-LF	6.0±20%	25.0	3.55	100KHz/1V
SEP1809E -6R8M-LF	6.8±20%	25.0	3.55	100KHz/1V
SEP1809E -6R0M-LF	6.0±20%	27.0	4.10	100KHz/1V
SEP1809E -150M-LF	15.0±20%	9.0	18.0	100KHz/1V
SEP1809E -220M-LF	22.0±20%	7.0	26.0	100KHz/1V
SEP1809E -330M-LF	33.0±20%	14.0	21.0	100KHz/1V

- Operating temperature range - 40 °C to + 125 °C
- I sat : DC current (A) that will cause L0 to drop approximately 30 %
- I rms : DC current (A) that will cause an approximate ΔT of 40 °C
- The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions.

Coilmaster Electronics Co., Ltd.
9F-3 No.398, Huan Bei Rd. Chung Li City, Taoyuan 320, Taiwan
Tel : +886-3-422-8279 Fax : +886-3-422-8734
E-mail : info@coilmaster.com.tw
Web Site : www.coilmaster.com.tw

SEP1809E SERIES~ High Current SMD Power Inductors

PACKAGING SPECIFICATION



STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D±0.3
13"	250	19.0	19.5	7.5	20	4.0	24