



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

Email: sales@bec.co.uk
Web: www.bec.co.uk



SEP2508ET SERIES~ High Current SMD Power Inductors



PART NUMBERING SYSTEM

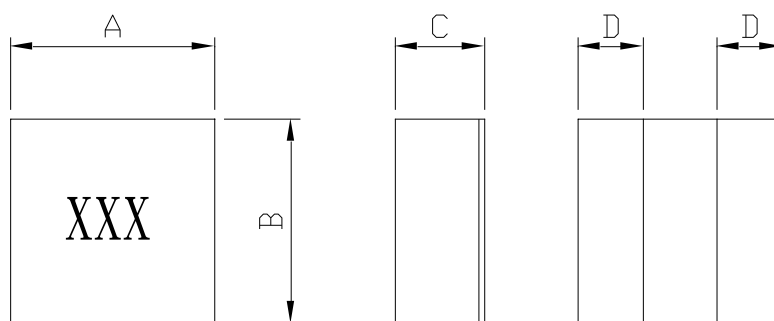
SEP	2508ET	—	1R0M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Magnetically High Current Power Inductors .
- Low profile (0.8mm 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 :

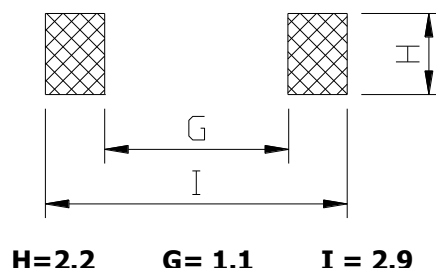
UNIT : mm



A=2.50±0.2 B=2.00±0.2 C=0.8Max. D=0.70±0.2

RECOMMENDED PATTERNS

UNIT : mm





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

Email: sales@bec.co.uk
Web: www.bec.co.uk



SEP2508ET SERIES~ High Current SMD Power Inductors



SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Max.)	Irms (A) (Max.)	DCR (m Ω) (Typ.)	DCR (m Ω) (Max.)
SEP2508ET-R47N-LF	0.47 $\pm$ 30%	5.80	2.00	70	87
SEP2508ET-1R0N-LF	1.00 $\pm$ 30%	4.50	1.60	107	133
SEP2508ET-2R2N-LF	2.20 $\pm$ 30%	2.60	1.00	252	302

- Test Frequency at 1MHz / 1V .
- I sat : 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.



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

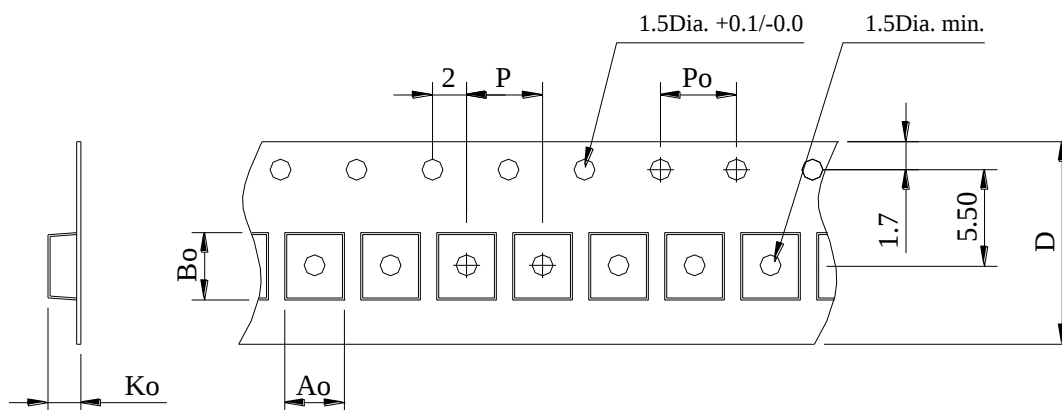
Email: sales@bec.co.uk
Web: www.bec.co.uk



SEP2508ET SERIES~ High Current SMD Power Inductors



PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D
13"	3,000	2.30±0.1	2.75±0.1	1.1±0.1	4.0±0.1	4.0±0.1	8±0.2