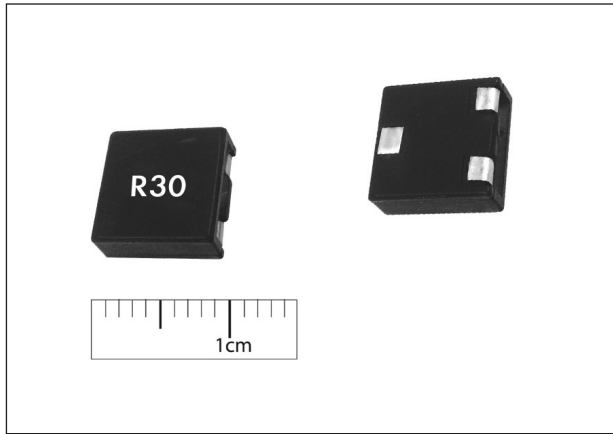


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● PART NUMBERING

EB - □□□ □ □□ □□ □□
(1) (2) (3) (4) (5) (6)

- (1) Series
- (2) Inductance
- (3) Tolerance
- (4) Dimension
- (5) Material
- (6) Internal Serial No.

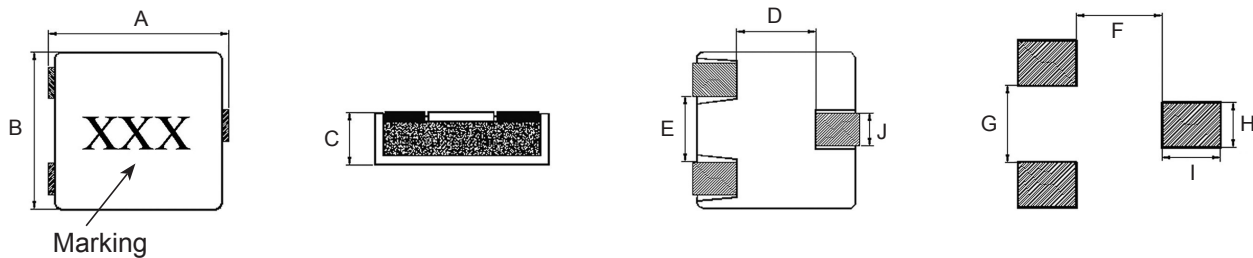
● FEATURES

- Low profile ultra high current inductor.
- Super low resistance.
- Current rating up to 45Adc.
- Manufactured with high temperature power iron core and the fine rectangular magnet wire.

● APPLICATIONS

- Computers and handheld electronic equipment
- VGA cards and other power devices
- DC/DC converters
- Energy storage applications
- Input-Output filter applications

● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D	E	F	G	H	I	J
EB-57H	13.2 Max.	13.2 Max.	4.4 Max.	6.5 Typ.	7.5 Typ.	5.9 Typ.	3.9 Typ.	3.6 Typ.	3.6 Typ.	2.5 Typ.
EB-58H	13.2 Max.	13.2 Max.	5.5 Max.	6.5 Typ.	7.5 Typ.	5.9 Typ.	3.9 Typ.	3.6 Typ.	3.6 Typ.	2.5 Typ.

• For packaging information, please refer to page P.101.

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	FREQ. (KHz/0.1V)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
EB-80B□57H□□	STCG1240C-R80□	0.8	100	0.0025	34	30
EB-14A□57H□□	STCG1240C-1R4□	1.4	100	0.0034	22	20
EB-22A□57H□□	STCG1240C-2R2□	2.2	100	0.0043	20	14
EB-30B□58H□□	STCG1245C-R30□	0.3	100	0.0006	45	40
EB-70B□58H□□	STCG1245C-R70□	0.7	100	0.0012	38	32
EB-12A□58H□□	STCG1245C-1R2□	1.2	100	0.0015	34	28
EB-19A□58H□□	STCG1245C-1R9□	1.9	100	0.0040	22	20
EB-27A□58H□□	STCG1245C-2R7□	2.7	100	0.0047	20	16
EB-36A□58H□□	STCG1245C-3R6□	3.6	100	0.0056	18	14
EB-48A□58H□□	STCG1245C-4R8□	4.8	100	0.0064	16	12
EB-64A□58H□□	STCG1245C-6R4□	6.4	100	0.0100	13	10

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- Tested at 25°C.
- Temperature rise : 40°C Typ. at Irms
- Inductance drop : 25% Typ. at Isat
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C