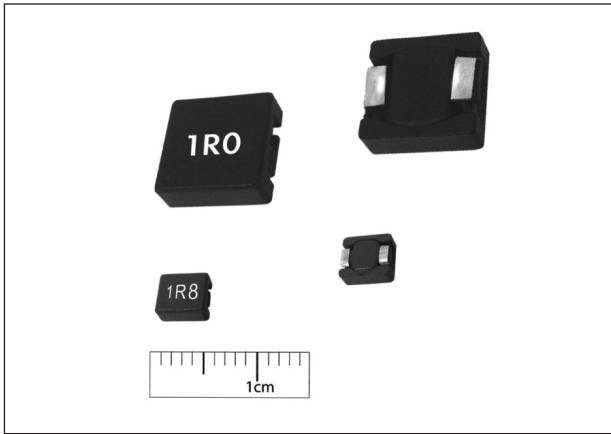


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### ● PART NUMBERING

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

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

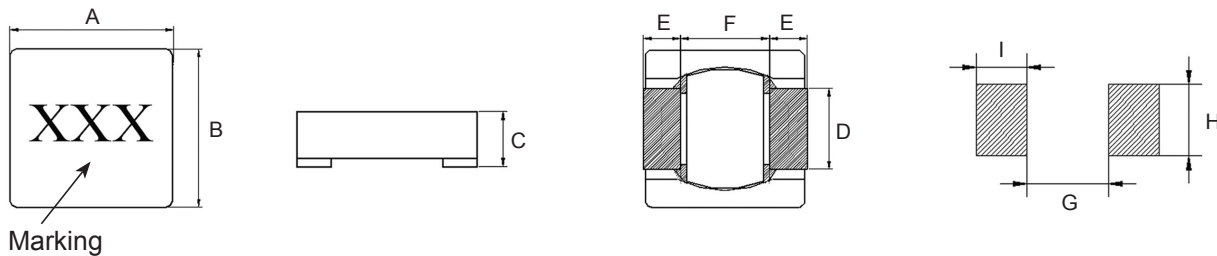
### ● FEATURES

- 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
EB-57H	13.2 Max.	13.0 Max.	4.3±0.5	5.7 Typ.	2.4 Typ.	7.6 Typ.	7.4 Typ.	6.4 Typ.	2.8 Typ.
EB-58H	13.2 Max.	13.0 Max.	4.7±0.5	5.7 Typ.	2.4 Typ.	7.6 Typ.	7.4 Typ.	6.4 Typ.	2.8 Typ.
EB-70H	7.70 Max.	6.90 Max.	3.2±0.5	2.9 Typ.	1.27 Typ.	4.3 Typ.	3.8 Typ.	3.4 Typ.	1.8 Typ.

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

## ● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L ( $\mu$ H)	FREQ. (KHz/0.1V)	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EB-60B□57H□□	STCG1240-R60□	0.6	100	0.0015	14	25
EB-12A□57H□□	STCG1240-1R2□	1.2	100	0.0025	12	20
EB-20A□57H□□	STCG1240-2R0□	2.0	100	0.0040	10	15
EB-27A□57H□□	STCG1240-2R7□	2.7	100	0.0073	9.5	12
EB-40A□57H□□	STCG1240-4R0□	4.0	100	0.0085	8.0	10
EB-60B□58H□□	STCG1245-R60□	0.6	100	0.0015	30	22
EB-10A□58H□□	STCG1245-1R0□	1.0	100	0.0025	30	20
EB-15A□58H□□	STCG1245-1R5□	1.5	100	0.0040	20	13
EB-25A□58H□□	STCG1245-2R5□	2.5	100	0.0058	18	12
EB-33A□58H□□	STCG1245-3R3□	3.3	100	0.0075	16	14
EB-22B□70H□□	STCG7232-R22□	0.22	100	0.0026	20	17
EB-47B□70H□□	STCG7232-R47□	0.47	100	0.0035	20	15
EB-68B□70H□□	STCG7232-R68□	0.68	100	0.0090	12	10
EB-72B□70H□□	STCG7232-R72□	0.72	100	0.0090	10	8
EB-10A□70H□□	STCG7232-1R0□	1.00	100	0.0100	10	10
EB-12A□70H□□	STCG7232-1R2□	1.20	100	0.0120	10	9
EB-22A□70H□□	STCG7232-2R2□	2.20	100	0.0300	8	6
EB-33A□70H□□	STCG7232-3R3□	3.30	100	0.0300	8	6
EB-47A□70H□□	STCG7232-4R7□	4.70	100	0.0450	5	3

- Tested at 25°C.
- Temperature rise : 40°C Typ. at I<sub>rms</sub>
- Inductance drop : 30% Typ. at I<sub>sat</sub>
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C

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