

● PART NUMBERING

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

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

EB
06

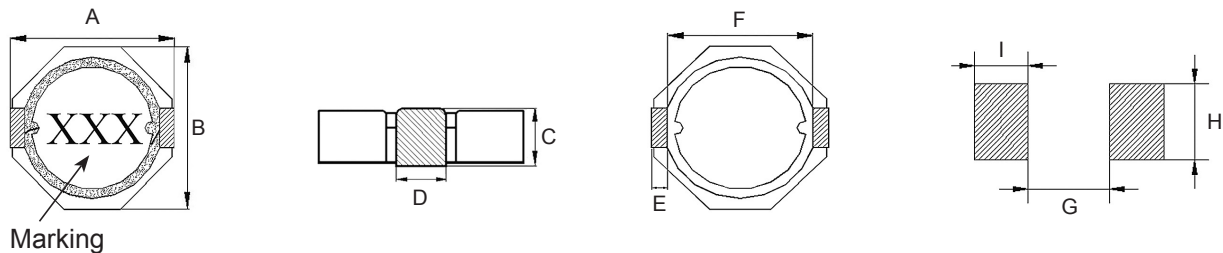
● FEATURES

- Magnetically shielded drum core inductors.
- Low resistance to keep power loss at a minimum.
- High current rating.
- Large terminal surface design for excellent PCB bonding.

● APPLICATIONS

- Switching power supplies
- Noise filtering and RFI / EMC filtering
- DC/DC converters
- Computers and DVD players
- Buck, boost, forward, and resonant converters
- LCD panels

● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D	E	F	G	H	I
EB-07D	5.0±0.2	5.0±0.2	2.0 Max.	1.4 Typ.	0.6 Typ.	4.2 Typ.	3.4 Typ.	2.0 Typ.	1.3 Typ.

• For packaging information, please refer to page P.96.

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	FREQ. (KHz/0.25V)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
EB-12A□07D□□	SDSG52-1R2□	1.2	100	0.0279	3.14	2.33
EB-22A□07D□□	SDSG52-2R2□	2.2	100	0.0385	2.30	1.98
EB-35A□07D□□	SDSG52-3R5□	3.5	100	0.0503	1.82	1.73
EB-47A□07D□□	SDSG52-4R7□	4.7	100	0.0568	1.64	1.63
EB-68A□07D□□	SDSG52-6R8□	6.8	100	0.0777	1.28	1.39
EB-100□07D□□	SDSG52-100□	10	100	0.1215	1.11	1.11
EB-150□07D□□	SDSG52-150□	15	100	0.1618	0.88	0.97
EB-220□07D□□	SDSG52-220□	22	100	0.2042	0.73	0.86
EB-270□07D□□	SDSG52-270□	27	100	0.2864	0.65	0.73
EB-330□07D□□	SDSG52-330□	33	100	0.3074	0.61	0.70
EB-470□07D□□	SDSG52-470□	47	100	0.4465	0.50	0.58
EB-680□07D□□	SDSG52-680□	68	100	0.6829	0.42	0.47
EB-101□07D□□	SDSG52-101□	100	100	1.0000	0.35	0.39

EB
07

- Tested at 25°C.
- Temperature rise : 40°C Typ. at I_{rms}
- Inductance drop : 30% Typ. at I_{sat}
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C