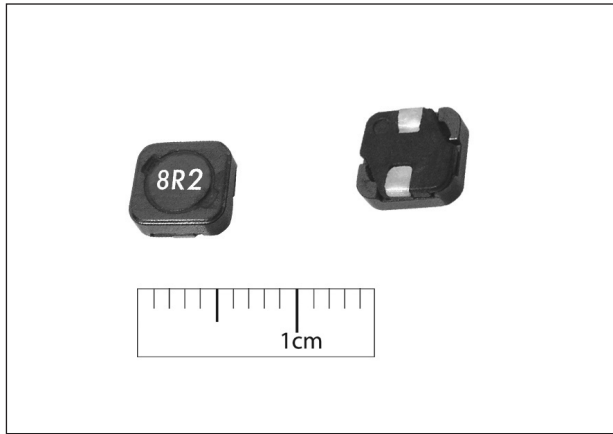


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### ● PART NUMBERING

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

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

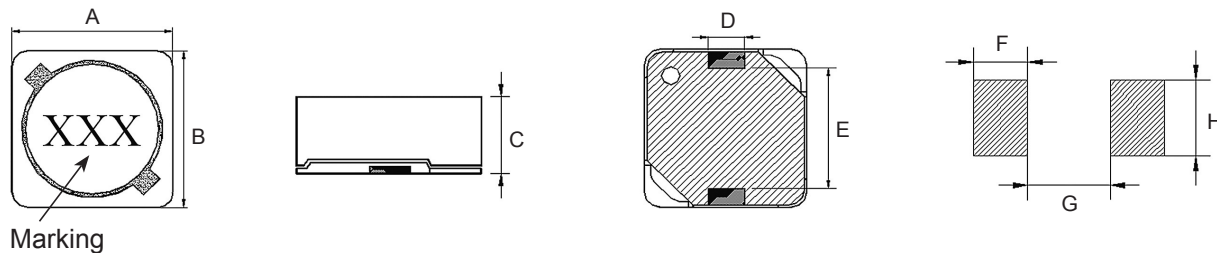
### ● FEATURES

- Magnetically shielded drum core inductors.
- Low resistance to keep power loss at a minimum.
- High current rating.

### ● 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
EB-10G	6.5 Max.	6.3 Max.	2.5 Max.	1.5 Typ.	3.0 Typ.	2.2 Typ.	2.8 Typ.	1.8 Typ.
EB-11G	6.5 Max.	6.3 Max.	3.2 Max.	1.5 Typ.	3.0 Typ.	2.2 Typ.	2.8 Typ.	1.8 Typ.
EB-38G	6.5 Max.	6.3 Max.	5.0 Max.	1.5 Typ.	3.0 Typ.	2.2 Typ.	2.8 Typ.	1.8 Typ.

• For packaging information, please refer to page P.98.

## ● 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-10A□10G□□	SDSG62D-1R0□	1.0	100	0.016	3.60	3.00
EB-15A□10G□□	SDSG62D-1R5□	1.5	100	0.020	3.24	2.70
EB-22A□10G□□	SDSG62D-2R2□	2.2	100	0.023	2.52	2.10
EB-33A□10G□□	SDSG62D-3R3□	3.3	100	0.031	2.16	1.80
EB-47A□10G□□	SDSG62D-4R7□	4.7	100	0.038	1.68	1.40
EB-68A□10G□□	SDSG62D-6R8□	6.8	100	0.053	1.32	1.10
EB-100□10G□□	SDSG62D-100□	10	100	0.062	1.20	1.00
EB-150□10G□□	SDSG62D-150□	15	100	0.097	0.96	0.80
EB-220□10G□□	SDSG62D-220□	22	100	0.150	0.83	0.69
EB-330□10G□□	SDSG62D-330□	33	100	0.240	0.65	0.54
EB-470□10G□□	SDSG62D-470□	47	100	0.400	0.55	0.46
EB-680□10G□□	SDSG62D-680□	68	100	0.460	0.48	0.40
EB-101□10G□□	SDSG62D-101□	100	100	0.840	0.38	0.32
EB-29A□11G□□	SDSG63D-2R9□	2.9	100	0.680	2.33	1.94
EB-40A□11G□□	SDSG63D-4R0□	4.0	100	0.080	1.96	1.63
EB-55A□11G□□	SDSG63D-5R5□	5.5	100	0.096	1.68	1.40
EB-100□11G□□	SDSG63D-100□	10	100	0.150	1.32	1.10
EB-150□11G□□	SDSG63D-150□	15	100	0.230	1.08	0.90
EB-220□11G□□	SDSG63D-220□	22	100	0.340	0.89	0.74
EB-330□11G□□	SDSG63D-330□	33	100	0.450	0.71	0.59
EB-470□11G□□	SDSG63D-470□	47	100	0.690	0.60	0.50
EB-101□11G□□	SDSG63D-101□	100	100	1.390	0.41	0.34
EB-151□11G□□	SDSG63D-151□	150	100	2.180	0.34	0.28
EB-181□11G□□	SDSG63D-181□	180	100	2.770	0.31	0.26
EB-221□11G□□	SDSG63D-221□	220	100	3.120	0.28	0.23
EB-271□11G□□	SDSG63D-271□	270	100	4.380	0.26	0.22
EB-331□11G□□	SDSG63D-331□	330	100	4.940	0.23	0.19

- 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

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## ● 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-10A□38G□□	SDSG64D-1R0□	1.0	100	4.60	4.80	4.60
EB-22A□38G□□	SDSG64D-2R2□	2.2	100	3.20	3.60	3.20
EB-47A□38G□□	SDSG64D-4R7□	4.7	100	2.20	2.60	2.20
EB-68A□38G□□	SDSG64D-6R8□	6.8	100	1.80	2.20	1.80
EB-100□38G□□	SDSG64D-100□	10	100	0.12	1.62	1.35
EB-120□38G□□	SDSG64D-120□	12	100	0.13	1.44	1.20
EB-150□38G□□	SDSG64D-150□	15	100	0.18	1.32	1.10
EB-180□38G□□	SDSG64D-180□	18	100	0.24	1.20	1.00
EB-220□38G□□	SDSG64D-220□	22	100	0.27	1.09	0.91
EB-270□38G□□	SDSG64D-270□	27	100	0.30	0.98	0.82
EB-330□38G□□	SDSG64D-330□	33	100	0.33	0.90	0.75
EB-390□38G□□	SDSG64D-390□	39	100	0.37	0.83	0.69
EB-470□38G□□	SDSG64D-470□	47	100	0.52	0.74	0.62
EB-560□38G□□	SDSG64D-560□	56	100	0.56	0.70	0.58
EB-680□38G□□	SDSG64D-680□	68	100	0.63	0.62	0.52
EB-820□38G□□	SDSG64D-820□	82	100	0.71	0.56	0.47
EB-101□38G□□	SDSG64D-101□	100	100	1.03	0.52	0.43
EB-121□38G□□	SDSG64D-121□	120	100	1.15	0.47	0.39
EB-151□38G□□	SDSG64D-151□	150	100	1.68	0.42	0.35
EB-181□38G□□	SDSG64D-181□	180	100	1.87	0.38	0.32
EB-221□38G□□	SDSG64D-221□	220	100	2.08	0.35	0.29
EB-271□38G□□	SDSG64D-271□	270	100	2.37	0.31	0.26
EB-331□38G□□	SDSG64D-331□	330	100	2.67	0.28	0.23
EB-391□38G□□	SDSG64D-391□	390	100	2.94	0.26	0.22
EB-471□38G□□	SDSG64D-471□	470	100	3.93	0.24	0.20
EB-561□38G□□	SDSG64D-561□	560	100	5.43	0.22	0.18
EB-681□38G□□	SDSG64D-681□	680	100	7.32	0.20	0.17
EB-821□38G□□	SDSG64D-821□	820	100	8.24	0.18	0.15
EB-102□38G□□	SDSG64D-102□	1000	100	9.26	0.17	0.14

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