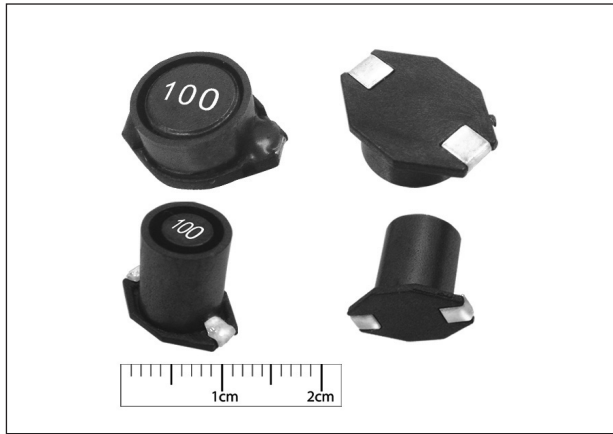


EB
03



● PART NUMBERING

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

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

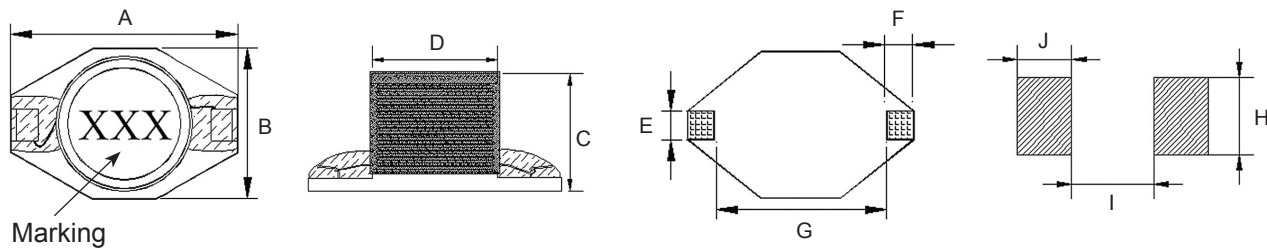
● FEATURES

- Magnetic shielded surface mount power inductors.
- Exceptionally low DC resistance and high energy storage.
- Designed with a flat top and constructed of heat resistant materials for pick and place operations and reflow process.

● APPLICATIONS

- DC/DC converters
- Notebook computers, PDAs
- Step-up or Step-down converters
- Flash memory programmers
- LCD displays

● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D	E	F	G	H	I	J
EB-66B	13.20 Max.	9.40 Max.	8.38 Typ.	3.10 Max.	2.54 Typ.	2.54 Typ.	7.62 Typ.	2.79 Typ.	7.37 Typ.	2.92 Typ.
EB-67B	13.20 Max.	9.40 Max.	8.38 Typ.	5.08 Max.	2.54 Typ.	2.54 Typ.	7.62 Typ.	2.79 Typ.	7.37 Typ.	2.92 Typ.
EB-68B	13.20 Max.	9.40 Max.	4.83 Max.	8.38 Max.	2.54 Typ.	2.54 Typ.	7.62 Typ.	2.79 Typ.	7.37 Typ.	2.92 Typ.
EB-69B	18.54 Max.	15.24 Max.	9.65 Max.	12.7 Max.	2.54 Typ.	2.54 Typ.	7.62 Typ.	2.79 Typ.	7.37 Typ.	2.92 Typ.

• For packaging information, please refer to page P.95.

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	SRF (MHz, Typ.)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
EB-15A□66B□□	SDOSG3308-1R5□	1.5	110.0	0.038	4.80	4.00
EB-22A□66B□□	SDOSG3308-2R2□	2.2	90.0	0.045	4.20	3.50
EB-30A□66B□□	SDOSG3308-3R0□	3.0	70.0	0.062	3.60	3.00
EB-39A□66B□□	SDOSG3308-3R9□	3.9	60.0	0.070	3.36	2.80
EB-47A□66B□□	SDOSG3308-4R7□	4.7	50.0	0.780	3.00	2.50
EB-68A□66B□□	SDOSG3308-6R8□	6.8	50.0	0.100	2.64	2.20
EB-100□66B□□	SDOSG3308-100□	10	38.0	0.145	2.40	2.00
EB-120□66B□□	SDOSG3308-120□	12	29.0	0.185	2.10	1.75
EB-150□66B□□	SDOSG3308-150□	15	30.0	0.200	1.80	1.50
EB-180□66B□□	SDOSG3308-180□	18	25.0	0.270	1.68	1.40
EB-220□66B□□	SDOSG3308-220□	22	22.0	0.300	1.56	1.30
EB-270□66B□□	SDOSG3308-270□	27	18.0	0.400	1.44	1.20
EB-330□66B□□	SDOSG3308-330□	33	17.0	0.450	1.32	1.10
EB-390□66B□□	SDOSG3308-390□	39	17.0	0.560	1.14	0.95
EB-470□66B□□	SDOSG3308-470□	47	15.0	0.650	0.96	0.80
EB-560□66B□□	SDOSG3308-560□	56	14.0	0.680	0.90	0.75
EB-680□66B□□	SDOSG3308-680□	68	12.0	0.800	0.84	0.70
EB-820□66B□□	SDOSG3308-820□	82	11.0	1.200	0.78	0.65
EB-101□66B□□	SDOSG3308-101□	100	9.5	1.400	0.72	0.60
EB-121□66B□□	SDOSG3308-121□	120	8.5	1.520	0.66	0.55
EB-151□66B□□	SDOSG3308-151□	150	8.0	1.800	0.60	0.50
EB-181□66B□□	SDOSG3308-181□	180	7.0	2.200	0.54	0.45
EB-221□66B□□	SDOSG3308-221□	220	6.5	2.20	0.48	0.40
EB-271□66B□□	SDOSG3308-271□	270	5.5	3.100	0.42	0.35
EB-331□66B□□	SDOSG3308-331□	330	5.2	3.600	0.36	0.30
EB-391□66B□□	SDOSG3308-391□	390	5.0	4.600	0.30	0.25
EB-471□66B□□	SDOSG3308-471□	470	4.5	5.100	0.24	0.20
EB-10A□67B□□	SDOSG3316-1R0□	1.0	140	0.021	5.60	5.00
EB-15A□67B□□	SDOSG3316-1R5□	1.5	120	0.022	5.20	4.50
EB-22A□67B□□	SDOSG3316-2R2□	2.2	80	0.032	5.00	3.80
EB-33A□67B□□	SDOSG3316-3R3□	3.3	70	0.039	3.90	3.30
EB-47A□67B□□	SDOSG3316-4R7□	4.7	40	0.054	3.20	2.70
EB-68A□67B□□	SDOSG3316-6R8□	6.8	38	0.075	2.80	2.20
EB-100□67B□□	SDOSG3316-100□	10	35	0.101	2.40	2.00
EB-150□67B□□	SDOSG3316-150□	15	25	0.150	2.00	1.50
EB-220□67B□□	SDOSG3316-220□	22	19	0.207	1.60	1.30
EB-330□67B□□	SDOSG3316-330□	33	15	0.334	1.40	1.10
EB-470□67B□□	SDOSG3316-470□	47	13	0.472	1.00	0.80
EB-101□67B□□	SDOSG3316-101□	100	10	0.280	1.20	1.30
EB-151□67B□□	SDOSG3316-151□	150	10	0.400	1.00	1.00
EB-221□67B□□	SDOSG3316-221□	220	8	0.610	0.80	0.80
EB-331□67B□□	SDOSG3316-331□	330	8	1.020	0.60	0.60
EB-471□67B□□	SDOSG3316-471□	470	5	1.270	0.50	0.50
EB-681□67B□□	SDOSG3316-681□	680	5	2.020	0.40	0.40
EB-102□67B□□	SDOSG3316-102□	1000	4	3.000	0.30	0.30

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● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	SRF (MHz, Typ.)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
EB-15A□68B□□	SDOSG3340-1R5□	1.5	80	0.020	6.00	5.00
EB-47A□68B□□	SDOSG3340-4R7□	4.7	40	0.030	4.80	4.00
EB-68A□68B□□	SDOSG3340-6R8□	6.8	25	0.040	3.84	3.20
EB-100□68B□□	SDOSG3340-100□	10	20	0.060	3.00	2.50
EB-220□68B□□	SDOSG3340-220□	22	15	0.075	2.40	2.00
EB-470□68B□□	SDOSG3340-470□	47	8	0.150	1.68	1.40
EB-680□68B□□	SDOSG3340-680□	68	6	0.200	1.32	1.10
EB-101□68B□□	SDOSG3340-101□	100	5	0.400	0.96	0.80
EB-221□68B□□	SDOSG3340-221□	220	4	0.600	0.78	0.65
EB-10A□69B□□	SDOSG5022-1R0□	1.0	50	0.007	20	8.6
EB-22A□69B□□	SDOSG5022-2R2□	2.2	50	0.009	16	7.1
EB-33A□69B□□	SDOSG5022-3R3□	3.3	40	0.011	14	6.2
EB-56A□69B□□	SDOSG5022-5R6□	5.6	40	0.016	12	5.3
EB-100□69B□□	SDOSG5022-100□	10	30	0.040	8	3.9
EB-150□69B□□	SDOSG5022-150□	15	20	0.048	7	3.4
EB-220□69B□□	SDOSG5022-220□	22	18	0.059	6	3.1
EB-330□69B□□	SDOSG5022-330□	33	14	0.075	5	2.8
EB-470□69B□□	SDOSG5022-470□	47	10	0.097	4	2.4
EB-680□69B□□	SDOSG5022-680□	68	9	0.138	3	2.0
EB-101□69B□□	SDOSG5022-101□	100	7	0.207	2.4	1.7
EB-151□69B□□	SDOSG5022-151□	150	6	0.293	2.1	1.3
EB-221□69B□□	SDOSG5022-221□	220	5	0.470	1.7	1.1
EB-331□69B□□	SDOSG5022-331□	330	4	0.780	1.4	0.86
EB-471□69B□□	SDOSG5022-471□	470	3	1.080	1.1	0.73
EB-681□69B□□	SDOSG5022-681□	680	2.5	1.400	0.96	0.64
EB-102□69B□□	SDOSG5022-102□	1000	2	2.010	0.80	0.53

- Tested at 25°C, 100KHz, 0.1V.
- Temperature rise : 40°C Typ. at Irms
- Inductance drop : 10% Typ. at Isat
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C

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