

EA
05



● PART NUMBERING

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

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

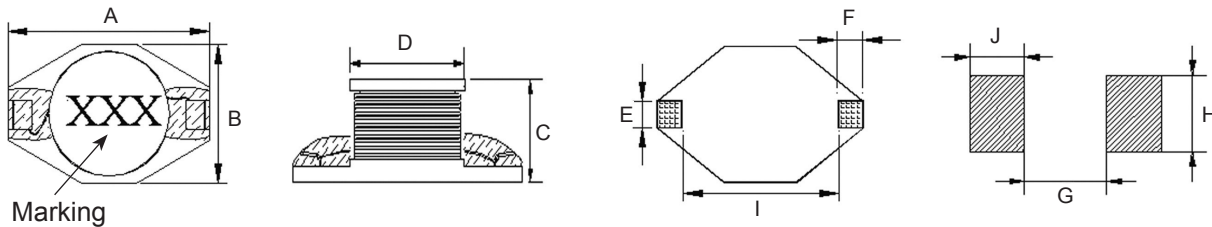
● FEATURES

- Exceptionally low DC resistance.
- Flat top for reliable pick and place operations.

● APPLICATIONS

- DC/DC converters
- Laptops and 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
EA-66A	13.2 Max.	9.40 Max.	3.00 Max.	8.38 Typ.	2.54 Typ.	2.54 Typ.	7.370 Typ.	2.79 Typ.	7.62 Typ.	2.92 Typ.
EA-67A	13.2 Max.	9.40 Max.	5.21 Max.	8.38 Typ.	2.54 Typ.	2.54 Typ.	7.370 Typ.	2.79 Typ.	7.62 Typ.	2.92 Typ.
EA-68A	13.2 Max.	9.40 Max.	11.43 Max.	8.38 Typ.	2.54 Typ.	2.54 Typ.	7.370 Typ.	2.79 Typ.	7.62 Typ.	2.92 Typ.
EA-69A	19.0 Max.	15.7 Max.	7.10 Max.	12.7 Typ.	2.54 Typ.	2.54 Typ.	12.45 Typ.	2.79 Typ.	12.7 Typ.	2.92 Typ.

• For packaging information, please refer to page P.39.

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	SRF (MHz, Typ.)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-22A□66A□□	SDOG3308-2R2□	2.2	100	18	5.4	5.1
EA-33A□66A□□	SDOG3308-3R3□	3.3	80	24	4.7	4.5
EA-47A□66A□□	SDOG3308-4R7□	4.7	65	32	3.8	3.2
EA-68A□66A□□	SDOG3308-6R8□	6.8	45	60	3.4	2.9
EA-100□66A□□	SDOG3308-100□	10	35	0.11	2.40	2.00
EA-150□66A□□	SDOG3308-150□	15	33	0.15	2.00	1.50
EA-220□66A□□	SDOG3308-220□	22	25	0.23	1.60	1.30
EA-330□66A□□	SDOG3308-330□	33	19	0.30	1.40	1.10
EA-470□66A□□	SDOG3308-470□	47	14	0.39	1.00	0.80
EA-680□66A□□	SDOG3308-680□	68	12	0.66	0.90	0.70
EA-101□66A□□	SDOG3308-101□	100	10	0.84	0.70	0.60
EA-151□66A□□	SDOG3308-151□	150	8	1.20	0.60	0.50
EA-221□66A□□	SDOG3308-221□	220	6	1.90	0.50	0.40
EA-331□66A□□	SDOG3308-331□	330	5	2.70	0.40	0.30
EA-471□66A□□	SDOG3308-471□	470	4	4.00	0.30	0.20
EA-681□66A□□	SDOG3308-681□	680	3	5.30	0.20	0.10
EA-102□66A□□	SDOG3308-102□	1000	2.5	8.40	0.10	0.05
EA-12A□67A□□	SDOG3316-1R2□	1.2	100	0.006	9.00	6.80
EA-22A□67A□□	SDOG3316-2R2□	2.2	80	0.010	7.00	6.10
EA-33A□67A□□	SDOG3316-3R3□	3.3	65	0.015	6.40	5.40
EA-47A□67A□□	SDOG3316-4R7□	4.7	45	0.018	5.40	4.80
EA-68A□67A□□	SDOG3316-6R8□	6.8	38	0.027	4.60	4.40
EA-100□67A□□	SDOG3316-100□	10	30	0.038	3.80	3.90
EA-220□67A□□	SDOG3316-220□	22	19	0.085	2.60	2.70
EA-330□67A□□	SDOG3316-330□	33	15	0.10	2.00	2.10
EA-470□67A□□	SDOG3316-470□	47	12	0.14	1.60	1.80
EA-680□67A□□	SDOG3316-680□	68	10	0.20	1.40	1.50
EA-101□67A□□	SDOG3316-101□	100	9	0.28	1.20	1.30
EA-151□67A□□	SDOG3316-151□	150	6	0.40	1.00	1.00
EA-221□67A□□	SDOG3316-221□	220	5	0.61	0.80	0.80
EA-331□67A□□	SDOG3316-331□	330	4.5	1.02	0.60	0.60
EA-471□67A□□	SDOG3316-471□	470	3.5	1.27	0.50	0.50
EA-681□67A□□	SDOG3316-681□	680	2.5	2.02	0.40	0.40
EA-102□67A□□	SDOG3316-102□	1000	2.0	3.00	0.30	0.30

EA
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- Tested at 25°C., 100KHz, 1V.
- Temperature rise : 40°C Typ. at Irms
- Inductance drop : 30% Max. at Isat
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	SRF (MHz, Typ.)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-15A□68A□□	SDOG3340-1R5□	1.5	100	13.2	23	13
EA-22A□68A□□	SDOG3340-2R2□	2.2	80	15.0	23	13
EA-47A□68A□□	SDOG3340-4R7□	3.3	60	16.4	15	10
EA-63A□68A□□	SDOG3340-6R3□	6.3	45	18.0	12	8
EA-100□68A□□	SDOG3340-100□	10	22	0.04	8.0	3.5
EA-150□68A□□	SDOG3340-150□	15	18	0.05	7.0	3.0
EA-220□68A□□	SDOG3340-220□	22	11	0.066	5.5	2.5
EA-330□68A□□	SDOG3340-330□	33	9	0.08	4.0	2.0
EA-470□68A□□	SDOG3340-470□	47	8	0.11	3.8	1.6
EA-680□68A□□	SDOG3340-680□	68	7	0.17	3.0	1.2
EA-101□68A□□	SDOG3340-101□	100	5	0.22	2.5	1.2
EA-151□68A□□	SDOG3340-151□	150	4	0.34	2.0	0.9
EA-221□68A□□	SDOG3340-221□	220	3.5	0.44	1.6	0.7
EA-331□68A□□	SDOG3340-331□	330	2.5	0.70	1.2	0.6
EA-471□68A□□	SDOG3340-471□	470	2	0.95	1.0	0.3
EA-681□68A□□	SDOG3340-681□	680	2	1.20	1.0	0.2
EA-102□68A□□	SDOG3340-102□	1000	1.5	2.00	0.8	0.1
EA-12A□69A□□	SDOG5022-1R2□	1.2	80	0.007	20	8.60
EA-22A□69A□□	SDOG5022-2R2□	2.2	80	0.009	16	7.10
EA-33A□69A□□	SDOG5022-3R3□	3.3	60	0.011	14	6.20
EA-56A□69A□□	SDOG5022-5R6□	5.6	40	0.016	12	5.30
EA-100□69A□□	SDOG5022-100□	10	30	0.025	10	4.30
EA-150□69A□□	SDOG5022-150□	15	22	0.035	8	4.00
EA-220□69A□□	SDOG5022-220□	22	20	0.047	7	3.50
EA-330□69A□□	SDOG5022-330□	33	15	0.066	5.5	3.00
EA-470□69A□□	SDOG5022-470□	47	9.0	0.086	4.5	2.60
EA-680□69A□□	SDOG5022-680□	68	8.0	0.13	3.5	2.30
EA-101□69A□□	SDOG5022-101□	100	7.0	0.19	3.0	1.80
EA-151□69A□□	SDOG5022-151□	150	6.0	0.25	2.6	1.50
EA-221□69A□□	SDOG5022-221□	220	5.0	0.38	2.4	1.20
EA-331□69A□□	SDOG5022-331□	330	4.0	0.56	1.9	1.00
EA-471□69A□□	SDOG5022-471□	470	3.0	0.85	1.4	0.82
EA-681□69A□□	SDOG5022-681□	680	2.5	1.10	1.2	0.72
EA-102□69A□□	SDOG5022-102□	1000	2.0	1.80	1.0	0.56

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