

## ● PART NUMBERING

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

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

EA  
08

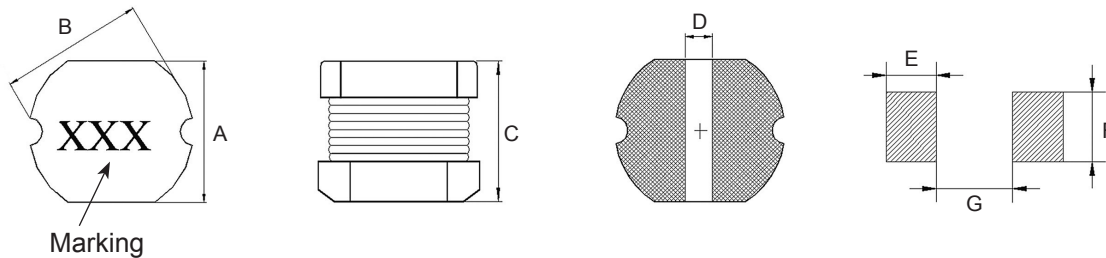
## ● FEATURES

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Metalized drum core design for the utilization of board space.

## ● APPLICATIONS

- DC/DC converters
- Switching supplies
- LCD TVs, laptops
- RFI / EMC filtering
- Computers
- Test equipment

## ● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D	E	F	G
EA-27C	3.0±0.30	3.50±0.30	1.5 Max.	0.8 Typ.	1.7 Typ.	3.6 Typ.	0.6 Typ.
EA-02C	3.0±0.30	3.50±0.30	2.0 Max.	1.0 Typ.	1.7 Typ.	3.6 Typ.	0.6 Typ.
EA-03C	3.0±0.30	3.50±0.30	2.5 Max.	1.0 Typ.	1.7 Typ.	3.6 Typ.	0.6 Typ.
EA-05C	4.0±0.30	4.50±0.30	3.5 Max.	1.0 Typ.	2.1 Typ.	4.0 Typ.	1.0 Typ.
EA-07C	5.2±0.30	5.80±0.30	3.0 Max.	1.0 Typ.	2.5 Typ.	5.8 Typ.	1.1 Typ.
EA-09C	5.2±0.30	5.80±0.30	4.8 Max.	1.0 Typ.	2.5 Typ.	5.8 Typ.	1.1 Typ.
EA-13C	7.0±0.30	7.80±0.30	4.0 Max.	2.1 Typ.	3.3 Typ.	8.0 Typ.	1.4 Typ.
EA-15C	7.0±0.30	7.80±0.30	5.3 Max.	2.1 Typ.	3.3 Typ.	8.0 Typ.	1.4 Typ.
EA-18C	9.0±0.30	10.0±0.30	4.3 Max.	3.0 Typ.	4.4 Typ.	10.0 Typ.	1.8 Typ.
EA-19C	9.0±0.30	10.0±0.30	6.0 Max.	2.9 Typ.	4.4 Typ.	10.0 Typ.	1.8 Typ.
EA-20C	9.0±0.30	10.0±0.30	7.0 Max.	3.1 Typ.	4.4 Typ.	10.0 Typ.	1.8 Typ.
EA-21C	9.0±0.30	10.0±0.30	8.5 Max.	3.1 Typ.	4.4 Typ.	10.0 Typ.	1.8 Typ.

• For packaging information, please refer to page P.40.

## ● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L ( $\mu$ H)	FREQ. (KHz/1V)	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-10A□27C□□	SDRG30-1R0□	1.0	100	0.07	1.32	1.10
EA-22A□27C□□	SDRG30-2R2□	2.2	100	0.10	1.08	0.90
EA-33A□27C□□	SDRG30-3R3□	3.3	100	0.18	0.84	0.70
EA-47A□27C□□	SDRG30-4R7□	4.7	100	0.35	0.82	0.68
EA-68A□27C□□	SDRG30-6R8□	6.8	100	0.54	0.74	0.62
EA-100□27C□□	SDRG30-100□	10	100	0.60	0.72	0.60
EA-220□27C□□	SDRG30-220□	22	100	1.50	0.60	0.50
EA-330□27C□□	SDRG30-330□	33	100	1.85	0.48	0.40
EA-470□27C□□	SDRG30-470□	47	100	3.50	0.36	0.30
EA-680□27C□□	SDRG30-680□	68	100	5.40	0.30	0.25
EA-101□27C□□	SDRG30-101□	100	100	7.60	0.20	0.17
EA-151□27C□□	SDRG30-151□	150	100	8.20	0.14	0.12
EA-221□27C□□	SDRG30-221□	220	100	10.2	0.10	0.08
EA-22A□02C□□	SDRG31-2R2□	2.2	100	0.125	1.00	1.20
EA-47A□02C□□	SDRG31-4R7□	4.7	100	0.215	0.70	1.00
EA-100□02C□□	SDRG31-100□	10	100	0.450	0.50	0.65
EA-150□02C□□	SDRG31-150□	15	100	0.675	0.40	0.50
EA-220□02C□□	SDRG31-220□	22	100	1.060	0.33	0.42
EA-330□02C□□	SDRG31-330□	33	100	1.430	0.27	0.35
EA-470□02C□□	SDRG31-470□	47	100	1.950	0.22	0.30
EA-680□02C□□	SDRG31-680□	68	100	2.950	0.18	0.23
EA-10A□03C□□	SDRG32-1R0□	1.0	100	0.046	3.00	1.95
EA-12A□03C□□	SDRG32-1R2□	1.2	100	0.060	2.70	1.70
EA-15A□03C□□	SDRG32-1R5□	1.5	100	0.068	2.40	1.60
EA-18A□03C□□	SDRG32-1R8□	1.8	100	0.075	2.20	1.50
EA-22A□03C□□	SDRG32-2R2□	2.2	100	0.090	2.00	1.40
EA-27A□03C□□	SDRG32-2R7□	2.7	100	0.105	1.80	1.30
EA-33A□03C□□	SDRG32-3R3□	3.3	100	0.125	1.70	1.20
EA-39A□03C□□	SDRG32-3R9□	3.9	100	0.145	1.60	1.10
EA-47A□03C□□	SDRG32-4R7□	4.7	100	0.180	1.40	1.00
EA-56A□03C□□	SDRG32-5R6□	5.6	100	0.200	1.30	0.95
EA-68A□03C□□	SDRG32-6R8□	6.8	100	0.250	1.20	0.85
EA-82A□03C□□	SDRG32-8R2□	8.2	100	0.280	1.05	0.80
EA-100□03C□□	SDRG32-100□	10	100	0.310	0.95	0.75
EA-120□03C□□	SDRG32-120□	12	100	0.440	0.87	0.64
EA-150□03C□□	SDRG32-150□	15	100	0.480	0.78	0.60
EA-180□03C□□	SDRG32-180□	18	100	0.580	0.71	0.56
EA-220□03C□□	SDRG32-220□	22	100	0.630	0.64	0.53
EA-270□03C□□	SDRG32-270□	27	100	0.840	0.58	0.46
EA-330□03C□□	SDRG32-330□	33	100	1.175	0.50	0.39
EA-390□03C□□	SDRG32-390□	39	100	1.280	0.48	0.37
EA-470□03C□□	SDRG32-470□	47	100	1.400	0.44	0.35
EA-560□03C□□	SDRG32-560□	56	100	1.600	0.40	0.31
EA-680□03C□□	SDRG32-680□	68	100	1.730	0.36	0.30
EA-820□03C□□	SDRG32-820□	82	100	2.130	0.33	0.26
EA-101□03C□□	SDRG32-101□	100	100	2.340	0.30	0.25

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## ● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L ( $\mu$ H)	FREQ. (KHz/1V)	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-10A□05C□□	SDRG43-1R0□	1.0	100	0.048	3.24	2.7
EA-15A□05C□□	SDRG43-1R5□	1.5	100	0.056	3.12	2.6
EA-18A□05C□□	SDRG43-1R8□	1.8	100	0.063	2.40	2.0
EA-22A□05C□□	SDRG43-2R2□	2.2	100	0.071	2.28	1.9
EA-27A□05C□□	SDRG43-2R7□	2.7	100	0.078	2.16	1.8
EA-33A□05C□□	SDRG43-3R3□	3.3	100	0.086	2.04	1.7
EA-39A□05C□□	SDRG43-3R9□	3.9	100	0.093	1.92	1.6
EA-47A□05C□□	SDRG43-4R7□	4.7	100	0.108	1.80	1.5
EA-56A□05C□□	SDRG43-5R6□	5.6	100	0.125	1.68	1.4
EA-68A□05C□□	SDRG43-6R8□	6.8	100	0.131	1.56	1.3
EA-82A□05C□□	SDRG43-8R2□	8.2	100	0.146	1.44	1.2
EA-100□05C□□	SDRG43-100□	10	100	0.182	1.32	1.1
EA-120□05C□□	SDRG43-120□	12	100	0.210	1.16	0.97
EA-150□05C□□	SDRG43-150□	15	100	0.235	1.02	0.85
EA-180□05C□□	SDRG43-180□	18	100	0.338	0.89	0.74
EA-220□05C□□	SDRG43-220□	22	100	0.378	0.82	0.68
EA-270□05C□□	SDRG43-270□	27	100	0.522	0.74	0.62
EA-330□05C□□	SDRG43-330□	33	100	0.540	0.67	0.56
EA-390□05C□□	SDRG43-390□	39	100	0.587	0.62	0.52
EA-470□05C□□	SDRG43-470□	47	100	0.844	0.53	0.44
EA-560□05C□□	SDRG43-560□	56	100	0.937	0.50	0.42
EA-680□05C□□	SDRG43-680□	68	100	1.117	0.44	0.37
EA-101□05C□□	SDRG43-101□	100	100	1.24	0.37	0.35
EA-151□05C□□	SDRG43-151□	150	100	2.15	0.28	0.26
EA-221□05C□□	SDRG43-221□	220	100	2.64	0.24	0.22
EA-471□05C□□	SDRG43-471□	470	100	5.92	0.15	0.13
EA-681□05C□□	SDRG43-681□	680	100	8.58	0.13	0.11
EA-821□05C□□	SDRG43-821□	820	100	10.14	0.12	0.10
EA-102□05C□□	SDRG43-102□	1000	100	14.68	0.11	0.09

- Tested at 25°C.
- Temperature rise : 40°C Typ. at I<sub>rms</sub>
- Inductance drop : 30% Max. 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/1V)	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-10A□07C□□	SDRG52-1R0□	1.0	100	0.02	2.200	2.000
EA-22A□07C□□	SDRG52-2R2□	2.2	100	0.04	1.900	1.700
EA-33A□07C□□	SDRG52-3R3□	3.3	100	0.06	1.800	1.600
EA-47A□07C□□	SDRG52-4R7□	4.7	100	0.08	1.700	1.500
EA-68A□07C□□	SDRG52-6R8□	6.8	100	0.10	1.500	1.300
EA-100□07C□□	SDRG52-100□	10	100	0.13	1.560	1.300
EA-120□07C□□	SDRG52-120□	12	100	0.16	1.440	1.200
EA-150□07C□□	SDRG52-150□	15	100	0.18	1.260	1.050
EA-180□07C□□	SDRG52-180□	18	100	0.21	1.140	0.950
EA-220□07C□□	SDRG52-220□	22	100	0.28	1.080	0.900
EA-270□07C□□	SDRG52-270□	27	100	0.32	0.960	0.800
EA-330□07C□□	SDRG52-330□	33	100	0.38	0.840	0.700
EA-390□07C□□	SDRG52-390□	39	100	0.42	0.780	0.650
EA-470□07C□□	SDRG52-470□	47	100	0.60	0.720	0.600
EA-560□07C□□	SDRG52-560□	56	100	0.71	0.600	0.500
EA-680□07C□□	SDRG52-680□	68	100	0.76	0.540	0.450
EA-820□07C□□	SDRG52-820□	82	100	0.88	0.504	0.420
EA-101□07C□□	SDRG52-101□	100	100	1.60	0.480	0.400
EA-121□07C□□	SDRG52-121□	120	100	1.70	0.444	0.370
EA-151□07C□□	SDRG52-151□	150	100	2.00	0.396	0.330
EA-181□07C□□	SDRG52-181□	180	100	2.30	0.360	0.300
EA-221□07C□□	SDRG52-221□	220	100	2.50	0.300	0.250
EA-271□07C□□	SDRG52-271□	270	100	2.90	0.276	0.230
EA-331□07C□□	SDRG52-331□	330	100	3.30	0.252	0.210
EA-391□07C□□	SDRG52-391□	390	100	3.70	0.228	0.190
EA-471□07C□□	SDRG52-471□	470	100	4.90	0.216	0.180
EA-561□07C□□	SDRG52-561□	560	100	5.70	0.192	0.160
EA-681□07C□□	SDRG52-681□	680	100	7.50	0.168	0.140
EA-821□07C□□	SDRG52-821□	820	100	10.0	0.144	0.120
EA-102□07C□□	SDRG52-102□	1000	100	11.5	0.132	0.110
EA-122□07C□□	SDRG52-122□	1200	100	12.0	0.076	0.063
EA-152□07C□□	SDRG52-152□	1500	100	13.0	0.071	0.059
EA-182□07C□□	SDRG52-182□	1800	100	15.0	0.066	0.055
EA-222□07C□□	SDRG52-222□	2200	100	22.0	0.064	0.053
EA-272□07C□□	SDRG52-272□	2700	100	26.0	0.060	0.050

- Tested at 25°C.
- Temperature rise : 30°C Typ. at Irms
- Inductance drop : 10% Typ. at Isat
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C

# SMD POWER INDUCTORS (EA-XXC SERIES)

**trio**

## ● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L ( $\mu$ H)	FREQ. (KHz/1V)	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-10A□09C□□	SDRG54-1R0□	1.0	100KHZ	0.012	5.9	5.5
EA-22A□09C□□	SDRG54-2R2□	2.2	100KHZ	0.025	4.2	3.8
EA-33A□09C□□	SDRG54-3R3□	3.3	100KHZ	0.031	3.8	3.3
EA-68A□09C□□	SDRG54-6R8□	4.7	100KHZ	0.063	2.6	2.1
EA-100□09C□□	SDRG54-100□	10	100	0.10	1.80	1.50
EA-120□09C□□	SDRG54-120□	12	100	0.12	1.68	1.40
EA-150□09C□□	SDRG54-150□	15	100	0.14	1.56	1.30
EA-180□09C□□	SDRG54-180□	18	100	0.15	1.44	1.20
EA-220□09C□□	SDRG54-220□	22	100	0.18	1.32	1.10
EA-270□09C□□	SDRG54-270□	27	100	0.20	1.16	0.97
EA-330□09C□□	SDRG54-330□	33	100	0.23	1.06	0.88
EA-390□09C□□	SDRG54-390□	39	100	0.32	0.96	0.80
EA-470□09C□□	SDRG54-470□	47	100	0.37	0.86	0.72
EA-560□09C□□	SDRG54-560□	56	100	0.42	0.82	0.68
EA-680□09C□□	SDRG54-680□	68	100	0.46	0.73	0.61
EA-820□09C□□	SDRG54-820□	82	100	0.60	0.70	0.58
EA-101□09C□□	SDRG54-101□	100	100	0.70	0.62	0.52
EA-121□09C□□	SDRG54-121□	120	100	0.93	0.58	0.48
EA-151□09C□□	SDRG54-151□	150	100	1.10	0.48	0.40
EA-181□09C□□	SDRG54-181□	180	100	1.38	0.46	0.38
EA-221□09C□□	SDRG54-221□	220	100	1.57	0.42	0.35
EA-10A□13C□□	SDRG73-1R0□	1.0	100	0.0084	2.2	2.00
EA-22A□13C□□	SDRG73-2R2□	2.2	100	0.017	1.9	1.7
EA-33A□13C□□	SDRG73-3R3□	3.3	100	0.025	1.8	1.6
EA-47A□13C□□	SDRG73-4R7□	4.7	100	0.031	1.7	1.5
EA-68A□13C□□	SDRG73-6R8□	6.8	100	0.047	1.5	1.3
EA-100□13C□□	SDRG73-100□	10	100	0.0803	1.73	1.44
EA-120□13C□□	SDRG73-120□	12	100	0.0897	1.67	1.39
EA-150□13C□□	SDRG73-150□	15	100	0.104	1.49	1.24
EA-180□13C□□	SDRG73-180□	18	100	0.111	1.37	1.14
EA-220□13C□□	SDRG73-220□	22	100	0.129	1.28	1.07
EA-270□13C□□	SDRG73-270□	27	100	0.153	1.13	0.94
EA-330□13C□□	SDRG73-330□	33	100	0.170	1.02	0.85
EA-390□13C□□	SDRG73-390□	39	100	0.217	0.89	0.74
EA-470□13C□□	SDRG73-470□	47	100	0.252	0.82	0.68
EA-560□13C□□	SDRG73-560□	56	100	0.282	0.77	0.64
EA-680□13C□□	SDRG73-680□	68	100	0.332	0.71	0.59
EA-820□13C□□	SDRG73-820□	82	100	0.406	0.65	0.54
EA-101□13C□□	SDRG73-101□	100	100	0.481	0.61	0.51
EA-121□13C□□	SDRG73-121□	120	100	0.536	0.59	0.49
EA-151□13C□□	SDRG73-151□	150	100	0.755	0.48	0.4
EA-181□13C□□	SDRG73-181□	180	100	1.022	0.43	0.36
EA-221□13C□□	SDRG73-221□	220	100	1.200	0.37	0.31
EA-271□13C□□	SDRG73-271□	270	100	1.306	0.35	0.29
EA-331□13C□□	SDRG73-331□	330	100	1.495	0.34	0.28

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## ● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L ( $\mu$ H)	FREQ. (KHz/1V)	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-80B□15C□□	SDRG75-R80□	0.8	100	0.007	8.00	7.50
EA-22A□15C□□	SDRG75-2R2□	2.2	100	0.013	6.00	5.60
EA-33A□15C□□	SDRG75-3R3□	3.3	100	0.022	5.20	4.80
EA-47A□15C□□	SDRG75-4R7□	4.7	100	0.028	4.60	4.20
EA-68A□15C□□	SDRG75-6R8□	6.8	100	0.035	4.00	3.60
EA-100□15C□□	SDRG75-100□	10	100	0.070	2.76	2.30
EA-120□15C□□	SDRG75-120□	12	100	0.080	2.40	2.00
EA-150□15C□□	SDRG75-150□	15	100	0.090	2.16	1.80
EA-180□15C□□	SDRG75-180□	18	100	0.100	1.92	1.60
EA-220□15C□□	SDRG75-220□	22	100	0.110	1.80	1.50
EA-270□15C□□	SDRG75-270□	27	100	0.120	1.68	1.40
EA-330□15C□□	SDRG75-330□	33	100	0.130	1.56	1.30
EA-390□15C□□	SDRG75-390□	39	100	0.160	1.44	1.20
EA-470□15C□□	SDRG75-470□	47	100	0.180	1.32	1.10
EA-560□15C□□	SDRG75-560□	56	100	0.240	1.13	0.94
EA-680□15C□□	SDRG75-680□	68	100	0.280	1.02	0.85
EA-820□15C□□	SDRG75-820□	82	100	0.370	0.90	0.75
EA-101□15C□□	SDRG75-101□	100	100	0.430	0.86	0.72
EA-121□15C□□	SDRG75-121□	120	100	0.470	0.79	0.66
EA-151□15C□□	SDRG75-151□	150	100	0.640	0.70	0.58
EA-181□15C□□	SDRG75-181□	180	100	0.710	0.61	0.51
EA-221□15C□□	SDRG75-221□	220	100	0.960	0.59	0.49
EA-271□15C□□	SDRG75-271□	270	100	1.110	0.50	0.42
EA-331□15C□□	SDRG75-331□	330	100	1.260	0.48	0.40
EA-391□15C□□	SDRG75-391□	390	100	1.770	0.43	0.36
EA-471□15C□□	SDRG75-471□	470	100	1.960	0.41	0.34

- Tested at 25°C.
- Temperature rise : 30°C Typ. at Irms
- Inductance drop : 10% Typ. 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 ( $\mu$ H)	FREQ. (KHz/1V)	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-12A□18C□□	SDRG104-1R2□	1.2	100	0.007	8.20	7.80
EA-22A□18C□□	SDRG104-2R2□	2.2	100	0.010	7.00	6.40
EA-33A□18C□□	SDRG104-3R3□	3.3	100	0.015	6.20	5.60
EA-47A□18C□□	SDRG104-4R7□	4.7	100	0.019	5.40	4.80
EA-68A□18C□□	SDRG104-6R8□	6.8	100	0.026	4.60	3.90
EA-100□18C□□	SDRG104-100□	10	100	0.053	2.88	2.40
EA-120□18C□□	SDRG104-120□	12	100	0.061	2.64	2.20
EA-150□18C□□	SDRG104-150□	15	100	0.070	2.28	1.90
EA-180□18C□□	SDRG104-180□	18	100	0.080	2.16	1.80
EA-220□18C□□	SDRG104-220□	22	100	0.088	1.92	1.60
EA-270□18C□□	SDRG104-270□	27	100	0.100	1.80	1.50
EA-330□18C□□	SDRG104-330□	33	100	0.120	1.56	1.30
EA-390□18C□□	SDRG104-390□	39	100	0.151	1.44	1.20
EA-470□18C□□	SDRG104-470□	47	100	0.170	1.32	1.10
EA-560□18C□□	SDRG104-560□	56	100	0.199	1.20	1.00
EA-680□18C□□	SDRG104-680□	68	100	0.223	1.09	0.91
EA-820□18C□□	SDRG104-820□	82	100	0.252	1.02	0.85
EA-101□18C□□	SDRG104-101□	100	100	0.344	0.89	0.74
EA-121□18C□□	SDRG104-121□	120	100	0.396	0.83	0.69
EA-151□18C□□	SDRG104-151□	150	100	0.544	0.73	0.61
EA-181□18C□□	SDRG104-181□	180	100	0.621	0.67	0.56
EA-221□18C□□	SDRG104-221□	220	100	0.721	0.64	0.53
EA-271□18C□□	SDRG104-271□	270	100	0.949	0.54	0.45
EA-331□18C□□	SDRG104-331□	330	100	1.100	0.50	0.42
EA-391□18C□□	SDRG104-391□	390	100	1.245	0.46	0.38
EA-471□18C□□	SDRG104-471□	470	100	1.526	0.42	0.35
EA-561□18C□□	SDRG104-561□	560	100	1.904	0.38	0.32

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- Tested at 25°C.
- Temperature rise : 30°C Typ. at Irms
- Inductance drop : 10% Typ. 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 ( $\mu$ H)	FREQ. (KHz/1V)	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-15A□19C□□	SDRG105-1R5□	1.5	100	0.018	7.68	6.40
EA-22A□19C□□	SDRG105-2R2□	2.2	100	0.021	6.48	5.40
EA-33A□19C□□	SDRG105-3R3□	3.3	100	0.024	6.00	5.00
EA-39A□19C□□	SDRG105-3R9□	3.9	100	0.027	5.52	4.60
EA-47A□19C□□	SDRG105-4R7□	4.7	100	0.036	4.80	4.00
EA-56A□19C□□	SDRG105-5R6□	5.6	100	0.040	4.56	3.80
EA-68A□19C□□	SDRG105-6R8□	6.8	100	0.044	4.08	3.40
EA-82A□19C□□	SDRG105-8R2□	8.2	100	0.048	3.60	3.00
EA-100□19C□□	SDRG105-100□	10	100	0.060	3.12	2.60
EA-120□19C□□	SDRG105-120□	12	100	0.070	2.94	2.45
EA-150□19C□□	SDRG105-150□	15	100	0.080	2.70	2.25
EA-180□19C□□	SDRG105-180□	18	100	0.090	2.58	2.15
EA-220□19C□□	SDRG105-220□	22	100	0.100	2.34	1.95
EA-270□19C□□	SDRG105-270□	27	100	0.110	2.10	1.75
EA-330□19C□□	SDRG105-330□	33	100	0.120	1.44	1.20
EA-390□19C□□	SDRG105-390□	39	100	0.140	1.62	1.35
EA-470□19C□□	SDRG105-470□	47	100	0.170	1.50	1.25
EA-560□19C□□	SDRG105-560□	56	100	0.190	1.38	1.15
EA-680□19C□□	SDRG105-680□	68	100	0.220	1.32	1.10
EA-820□19C□□	SDRG105-820□	82	100	0.250	1.20	1.00
EA-101□19C□□	SDRG105-101□	100	100	0.350	1.16	0.97
EA-121□19C□□	SDRG105-121□	120	100	0.400	1.07	0.89
EA-151□19C□□	SDRG105-151□	150	100	0.470	0.94	0.78
EA-181□19C□□	SDRG105-181□	180	100	0.630	0.86	0.72
EA-221□19C□□	SDRG105-221□	220	100	0.730	0.79	0.66
EA-271□19C□□	SDRG105-271□	270	100	0.970	0.68	0.57
EA-331□19C□□	SDRG105-331□	330	100	1.150	0.62	0.52
EA-391□19C□□	SDRG105-391□	390	100	1.300	0.58	0.48
EA-471□19C□□	SDRG105-471□	470	100	1.480	0.50	0.42
EA-561□19C□□	SDRG105-561□	560	100	1.900	0.40	0.33
EA-681□19C□□	SDRG105-681□	680	100	2.250	0.34	0.28
EA-821□19C□□	SDRG105-821□	820	100	2.550	0.29	0.24
EA-102□19C□□	SDRG105-102□	1000	100	3.100	0.28	0.23

- Tested at 25°C.
- Temperature rise : 30°C Typ. at Irms
- Inductance drop : 10% Typ. 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 ( $\mu$ H)	FREQ. (KHz/1V)	DCR ( $\Omega$ , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-12A□20C□□	SDRG107-1R2□	1.2	100	0.007	10.80	9.00
EA-25A□20C□□	SDRG107-2R5□	2.5	100	0.010	9.84	8.20
EA-33A□20C□□	SDRG107-3R3□	3.3	100	0.012	9.00	7.50
EA-56A□20C□□	SDRG107-5R6□	5.6	100	0.021	7.44	6.20
EA-82A□20C□□	SDRG107-8R2□	8.2	100	0.032	6.12	5.10
EA-100□20C□□	SDRG107-100□	10	100	0.039	5.64	4.70
EA-220□20C□□	SDRG107-220□	22	100	0.063	4.80	4.00
EA-330□20C□□	SDRG107-330□	33	100	0.084	3.84	3.20
EA-470□20C□□	SDRG107-470□	47	100	0.120	2.52	2.10
EA-680□20C□□	SDRG107-680□	68	100	0.150	1.92	1.60
EA-101□20C□□	SDRG107-101□	100	100	0.240	1.56	1.30
EA-151□20C□□	SDRG107-151□	150	100	0.320	1.20	1.00
EA-221□20C□□	SDRG107-221□	220	100	0.530	0.96	0.80
EA-331□20C□□	SDRG107-331□	330	100	0.770	0.72	0.60
EA-561□20C□□	SDRG107-561□	560	100	1.360	0.48	0.40
EA-681□20C□□	SDRG107-681□	680	100	1.860	0.36	0.30
EA-102□20C□□	SDRG107-102□	1000	100	2.940	0.24	0.20
EA-22A□21C□□	SDRG108-2R2□	2.2	100	0.009	11.76	9.80
EA-47A□21C□□	SDRG108-4R7□	4.7	100	0.013	9.48	7.90
EA-68A□21C□□	SDRG108-6R8□	6.8	100	0.022	7.44	6.20
EA-100□21C□□	SDRG108-100□	10	100	0.033	6.12	5.10
EA-150□21C□□	SDRG108-150□	15	100	0.045	5.16	4.30
EA-220□21C□□	SDRG108-220□	22	100	0.053	4.20	3.50
EA-330□21C□□	SDRG108-330□	33	100	0.081	3.36	2.80
EA-470□21C□□	SDRG108-470□	47	100	0.094	2.76	2.30
EA-820□21C□□	SDRG108-820□	82	100	0.160	2.16	1.80
EA-121□21C□□	SDRG108-121□	120	100	0.250	1.80	1.50
EA-221□21C□□	SDRG108-221□	220	100	0.390	1.44	1.20
EA-331□21C□□	SDRG108-331□	330	100	0.570	1.20	1.00
EA-471□21C□□	SDRG108-471□	470	100	0.910	0.96	0.80
EA-681□21C□□	SDRG108-681□	680	100	1.320	0.72	0.60
EA-102□21C□□	SDRG108-102□	1000	100	1.960	0.36	0.30

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- Tested at 25°C.
- Temperature rise : 30°C Typ. at Irms
- Inductance drop : 10% Typ. at Isat
- Operating temperature : -55°C to +105°C
- Storage temperature : -40°C to +85°C