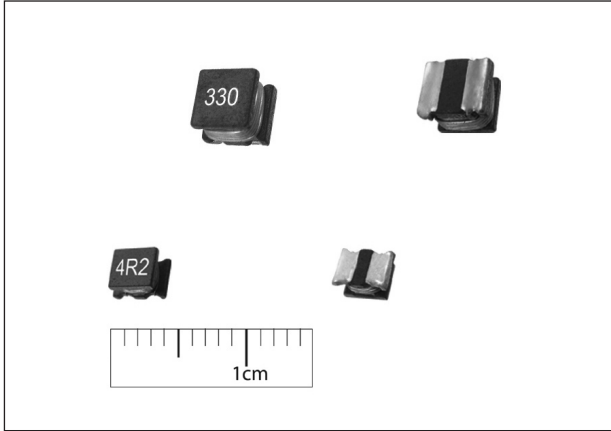


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● PART NUMBERING

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

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

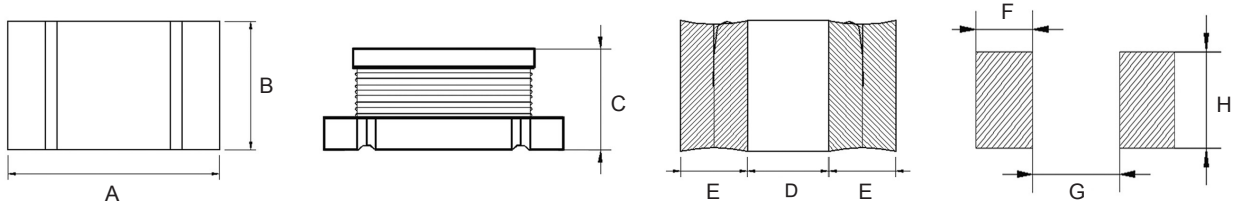
● FEATURES

- Low profile and small size.
- Superior stability saturation for surface mounting.
- Magnetic unshielded inductor with high current rating.
- Low resistance to keep power loss minimum.

● APPLICATIONS

- DC/DC converters
- Switching power supplies
- HDDs
- Laptops
- Other electronic equipment

● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D	E	F	G	H
EA-01J	2.0±0.3	1.5±0.3	1.7 Max.	0.6 Typ.	1.5 Typ.	1.0 Typ.	0.6 Typ.	2.0 Typ.
EA-27J	3.0±0.3	3.0±0.3	1.5 Max.	1.0 Typ.	0.9 Typ.	0.8 Typ.	1.4 Typ.	2.7 Typ.
EA-02J	3.2±0.3	1.6±0.3	2.1 Max.	1.0 Typ.	1.1 Typ.	1.7 Typ.	1.0 Typ.	2.6 Typ.
EA-03J	3.2±0.3	2.5±0.3	2.3 Max.	1.0 Typ.	1.1 Typ.	1.7 Typ.	1.0 Typ.	3.2 Typ.
EA-05J	4.5±0.3	3.2±0.3	2.9 Max.	1.1 Typ.	1.7 Typ.	2.3 Typ.	1.0 Typ.	3.7 Typ.
EA-12J	5.7±0.5	5.0±0.5	5.0 Max.	2.1 Typ.	1.8 Typ.	2.4 Typ.	1.6 Typ.	6.2 Typ.

• For packaging information, please refer to page P.41.

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	FREQ. (KHz/1V)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-10A□01J□□	SDIG21-1R0□	1.0	100	0.27	0.78	0.65
EA-22A□01J□□	SDIG21-2R2□	2.2	100	0.58	0.66	0.55
EA-33A□01J□□	SDIG21-3R3□	3.3	100	0.96	0.50	0.42
EA-47A□01J□□	SDIG21-4R7□	4.7	100	1.18	0.42	0.35
EA-68A□01J□□	SDIG21-6R8□	6.8	100	1.64	0.36	0.30
EA-100□01J□□	SDIG21-100□	10	100	2.04	0.32	0.27
EA-220□01J□□	SDIG21-220□	22	100	2.40	0.28	0.23
EA-330□01J□□	SDIG21-330□	33	100	3.60	0.17	0.14
EA-470□01J□□	SDIG21-470□	47	100	4.70	0.16	0.13
EA-101□01J□□	SDIG21-101□	100	100	9.00	0.11	0.09
EA-22A□27J□□	SDIG30-2R2□	2.2	100	0.11	1.40	1.30
EA-33A□27J□□	SDIG30-3R3□	3.3	100	0.15	1.30	1.20
EA-47A□27J□□	SDIG30-4R7□	4.7	100	0.18	1.02	1.04
EA-68A□27J□□	SDIG30-6R8□	6.8	100	0.33	0.90	0.80
EA-82A□27J□□	SDIG30-8R2□	8.2	100	0.36	0.75	0.70
EA-100□27J□□	SDIG30-100□	10	100	0.43	0.55	0.52
EA-220□27J□□	SDIG30-220□	22	100	1.10	0.38	0.35
EA-330□27J□□	SDIG30-330□	33	100	1.30	0.30	0.33
EA-10A□02J□□	SDIG31-1R0□	1.0	100	0.364	0.612	0.510
EA-22A□02J□□	SDIG31-2R2□	2.2	100	0.533	0.516	0.430
EA-33A□02J□□	SDIG31-3R3□	3.3	100	0.663	0.456	0.380
EA-47A□02J□□	SDIG31-4R7□	4.7	100	0.845	0.408	0.340
EA-56A□02J□□	SDIG31-5R6□	5.6	100	1.014	0.372	0.310
EA-68A□02J□□	SDIG31-6R8□	6.8	100	1.118	0.360	0.300
EA-100□02J□□	SDIG31-100□	10	100	1.690	0.276	0.230
EA-150□02J□□	SDIG31-150□	15	100	3.380	0.240	0.200
EA-220□02J□□	SDIG31-220□	22	100	3.900	0.192	0.160
EA-330□02J□□	SDIG31-330□	33	100	8.710	0.144	0.120
EA-470□02J□□	SDIG31-470□	47	100	10.40	0.120	0.100
EA-560□02J□□	SDIG31-560□	56	100	11.70	0.109	0.091
EA-680□02J□□	SDIG31-680□	68	100	13.00	0.104	0.087
EA-820□02J□□	SDIG31-820□	82	100	14.30	0.100	0.083
EA-101□02J□□	SDIG31-101□	100	100	15.60	0.096	0.080
EA-10A□03J□□	SDIG32-1R0□	1.0	100	0.078	1.200	1.000
EA-22A□03J□□	SDIG32-2R2□	2.2	100	0.126	0.948	0.790
EA-33A□03J□□	SDIG32-3R3□	3.3	100	0.160	0.852	0.710
EA-47A□03J□□	SDIG32-4R7□	4.7	100	0.195	0.780	0.650
EA-68A□03J□□	SDIG32-6R8□	6.8	100	0.300	0.648	0.540
EA-100□03J□□	SDIG32-100□	10	100	0.390	0.540	0.450
EA-150□03J□□	SDIG32-150□	15	100	0.630	0.420	0.350
EA-220□03J□□	SDIG32-220□	22	100	0.923	0.300	0.250
EA-330□03J□□	SDIG32-330□	33	100	1.300	0.252	0.210
EA-470□03J□□	SDIG32-470□	47	100	1.690	0.204	0.170
EA-680□03J□□	SDIG32-680□	68	100	3.100	0.156	0.130
EA-101□03J□□	SDIG32-101□	100	100	4.550	0.120	0.100
EA-151□03J□□	SDIG32-151□	150	100	7.700	0.101	0.084
EA-221□03J□□	SDIG32-221□	220	100	10.92	0.084	0.070

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● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	FREQ. (KHz/1V)	DCR (Ω , Max.)	Isat (A, Max.)	Irms (A, Max.)
EA-10A□05J□□	SDIG43-1R0□	1.0	100	0.08	1.296	1.080
EA-22A□05J□□	SDIG43-2R2□	2.2	100	0.11	1.080	0.900
EA-33A□05J□□	SDIG43-3R3□	3.3	100	0.13	0.960	0.800
EA-47A□05J□□	SDIG43-4R7□	4.7	100	0.15	0.900	0.750
EA-68A□05J□□	SDIG43-6R8□	6.8	100	0.20	0.864	0.720
EA-100□05J□□	SDIG43-100□	10	100	0.24	0.780	0.650
EA-150□05J□□	SDIG43-150□	15	100	0.32	0.684	0.570
EA-220□05J□□	SDIG43-220□	22	100	0.60	0.504	0.420
EA-330□05J□□	SDIG43-330□	33	100	1.00	0.372	0.310
EA-470□05J□□	SDIG43-470□	47	100	1.10	0.336	0.280
EA-680□05J□□	SDIG43-680□	68	100	1.70	0.264	0.220
EA-101□05J□□	SDIG43-101□	100	100	2.20	0.228	0.190
EA-151□05J□□	SDIG43-151□	150	100	3.50	0.156	0.130
EA-221□05J□□	SDIG43-221□	220	100	4.00	0.132	0.110
EA-331□05J□□	SDIG43-331□	330	100	6.80	0.120	0.100
EA-471□05J□□	SDIG43-471□	470	100	8.50	0.108	0.090
EA-681□05J□□	SDIG43-681□	680	100	17.00	0.078	0.065
EA-102□05J□□	SDIG43-102□	1000	100	25.00	0.060	0.050
EA-47B□12J□□	SDIG65-R47□	0.47	100	0.0182	5.76	4.80
EA-10A□12J□□	SDIG65-1R0□	1.00	100	0.0270	4.80	4.00
EA-15A□12J□□	SDIG65-1R5□	1.50	100	0.0310	4.44	3.70
EA-22A□12J□□	SDIG65-2R2□	2.20	100	0.0410	3.84	3.20
EA-33A□12J□□	SDIG65-3R3□	3.30	100	0.0500	3.48	2.90
EA-47A□12J□□	SDIG65-4R7□	4.70	100	0.0574	3.24	2.70
EA-68A□12J□□	SDIG65-6R8□	6.80	100	0.1040	2.40	2.00
EA-100□12J□□	SDIG65-100□	10	100	0.1300	2.04	1.70
EA-150□12J□□	SDIG65-150□	15	100	0.210	1.68	1.40
EA-220□12J□□	SDIG65-220□	22	100	0.266	1.44	1.20
EA-330□12J□□	SDIG65-330□	33	100	0.448	1.08	0.90
EA-470□12J□□	SDIG65-470□	47	100	0.560	0.96	0.80
EA-680□12J□□	SDIG65-680□	68	100	0.938	0.77	0.64
EA-101□12J□□	SDIG65-101□	100	100	1.204	0.67	0.56
EA-151□12J□□	SDIG65-151□	150	100	2.660	0.50	0.42
EA-221□12J□□	SDIG65-221□	220	100	3.360	0.38	0.32
EA-331□12J□□	SDIG65-331□	330	100	6.160	0.32	0.27
EA-471□12J□□	SDIG65-471□	470	100	7.560	0.29	0.24
EA-681□12J□□	SDIG65-681□	680	100	11.34	0.23	0.19
EA-102□12J□□	SDIG65-102□	1000	100	14.42	0.18	0.15

- 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