

SHIELDED SMD POWER INDUCTORS / SRI TYPE

FEATURES

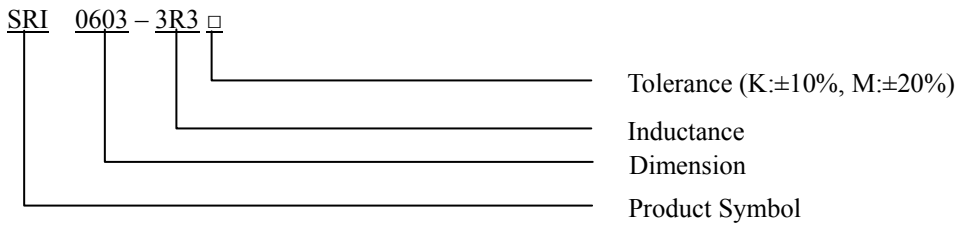
- ◆ Excellent solder ability and high heat resistance for flow soldering.
- ◆ For large current circuits due to its low DC resistance.
- ◆ Excellent in terminal strength due to its high performance ferrite core material and solder ability.

APPLICATIONS

- ◆ LCD TV & Notebook
- ◆ DC/DC converter
- ◆ Power supplies for portable communication equipment



ORDERING CODE



SHAPES

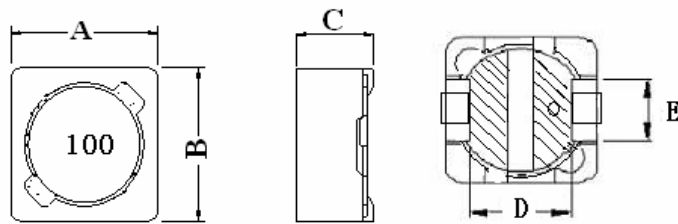


Fig.1

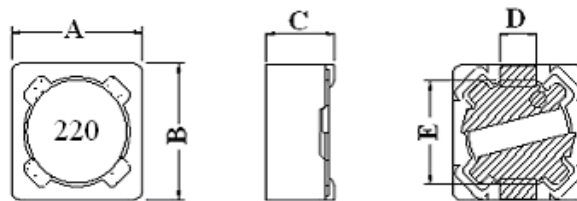


Fig.2

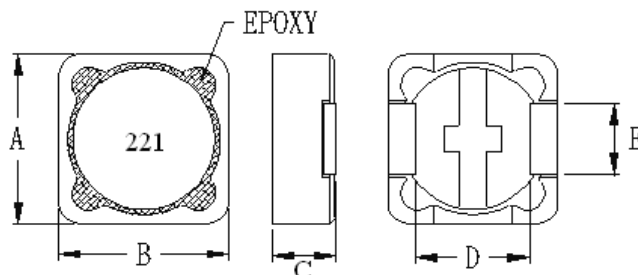


Fig.3



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DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	B	C (Max)	D (Ref.)	E (Ref.)
SRI 0603	1	6.6 ± 0.3	6.2 ± 0.3	3.0	4.0	2.80
SRI 0605	1	6.6 ± 0.3	6.2 ± 0.3	5.0	4.0	2.80
SRI 0703	2	7.3 ± 0.3	7.3 ± 0.3	3.4	2.0	5.00
SRI 0704	2	7.3 ± 0.3	7.3 ± 0.3	4.5	2.0	5.00
SRI 1004	3	10.0 ± 0.5	10.0 ± 0.5	4.5	6.1	3.86
SRI 1204	3	12.0 ± 0.5	12.0 ± 0.5	5.0	8.0	5.00
SRI 1205	3	12.0 ± 0.5	12.0 ± 0.5	6.0	8.0	5.00
SRI 1207	3	12.0 ± 0.5	12.0 ± 0.5	8.0	8.0	5.00
SRI 1209	3	12.0 ± 0.5	12.0 ± 0.5	10.0	8.0	5.00



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ELECTRICAL CHARACTERISTICS FOR SRI0603

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0603-1R0 □	1.0	0.030	5.50
SRI0603-1R5 □	1.5	0.040	4.50
SRI0603-2R2 □	2.2	0.050	3.50
SRI0603-3R3 □	3.3	0.050	3.00
SRI0603-4R7 □	4.7	0.060	2.40
SRI0603-5R6 □	5.6	0.072	2.30
SRI0603-6R8 □	6.8	0.095	2.20
SRI0603-100 □	10	0.150	1.90
SRI0603-220 □	22	0.340	1.20
SRI0603-330 □	33	0.450	1.00
SRI0603-470 □	47	0.690	0.85
SRI0603-680 □	68	0.750	0.65
SRI0603-820 □	82	0.770	0.55
SRI0603-101 □	100	1.400	0.50
SRI0603-121 □	120	1.900	0.50
SRI0603-181 □	180	2.770	0.26
SRI0603-471 □	470	4.030	0.26
SRI0603-681 □	680	6.300	0.21
SRI0603-821 □	820	7.400	0.20
SRI0603-102 □	1000	10.500	0.16



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ELECTRICAL CHARACTERISTICS FOR SRI0605

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SRI0605-1R5 □	1.5	0.030	6.30
SRI0605-2R2 □	2.2	0.048	4.30
SRI0605-6R8 □	6.8	0.080	2.90
SRI0605-100 □	10	0.120	2.00
SRI0605-150 □	15	0.180	1.90
SRI0605-220 □	22	0.270	1.70
SRI0605-270 □	27	0.270	1.50
SRI0605-330 □	33	0.450	1.45
SRI0605-470 □	47	0.520	1.10
SRI0605-680 □	68	0.630	0.95
SRI0605-101 □	100	1.030	0.80
SRI0605-151 □	150	1.100	0.60
SRI0605-471 □	470	3.000	0.35
SRI0605-561 □	560	4.000	0.30
SRI0605-102 □	1000	8.000	0.20



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ELECTRICAL CHARACTERISTICS FOR SRI0703

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0703-R47 □	0.47	0.018	10.50
SRI0703-1R0 □	1.00	0.020	7.00
SRI0703-1R5 □	1.50	0.028	6.00
SRI0703-2R2 □	2.20	0.032	4.50
SRI0703-3R3 □	3.30	0.040	4.20
SRI0703-4R7 □	4.70	0.065	3.35
SRI0703-6R8 □	6.80	0.065	3.00
SRI0703-100 □	10	0.076	2.30
SRI0703-120 □	12	0.100	2.20
SRI0703-150 □	15	0.130	2.00
SRI0703-180 □	18	0.150	1.80
SRI0703-220 □	22	0.190	1.50
SRI0703-330 □	33	0.280	1.20
SRI0703-390 □	39	0.340	0.90
SRI0703-400 □	40	0.350	0.90
SRI0703-470 □	47	0.450	0.80
SRI0703-560 □	56	0.500	0.70
SRI0703-680 □	68	0.520	0.61
SRI0703-820 □	82	0.690	0.55
SRI0703-101 □	100	0.790	0.50
SRI0703-151 □	150	1.000	0.46
SRI0703-181 □	180	1.100	0.39
SRI0703-221 □	220	1.650	0.38
SRI0703-271 □	270	2.310	0.36
SRI0703-331 □	330	2.620	0.35
SRI0703-471 □	470	4.180	0.32
SRI0703-681 □	680	5.730	0.30
SRI0703-821 □	820	7.000	0.27
SRI0703-102 □	1000	9.660	0.23



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ELECTRICAL CHARACTERISTICS FOR SRI0704

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0704-1R0 □	1.0	0.015	9.00
SRI0704-1R2 □	1.2	0.025	8.00
SRI0704-1R5 □	1.5	0.026	8.00
SRI0704-1R8 □	1.8	0.028	7.00
SRI0704-2R2 □	2.2	0.030	6.20
SRI0704-2R7 □	2.7	0.035	5.50
SRI0704-3R3 □	3.3	0.038	4.70
SRI0704-4R7 □	4.7	0.047	3.50
SRI0704-6R2 □	6.2	0.050	3.40
SRI0704-6R8 □	6.8	0.050	3.40
SRI0704-7R0 □	7.0	0.052	3.30
SRI0704-7R7 □	7.7	0.053	3.10
SRI0704-100 □	10	0.055	3.00
SRI0704-150 □	15	0.081	2.50
SRI0704-180 □	18	0.100	2.00
SRI0704-220 □	22	0.110	1.95
SRI0704-270 □	27	0.128	1.50
SRI0704-330 □	33	0.250	1.20
SRI0704-390 □	39	0.300	1.10
SRI0704-470 □	47	0.320	1.00
SRI0704-560 □	56	0.350	1.00
SRI0704-680 □	68	0.380	0.90
SRI0704-101 □	100	0.610	0.85
SRI0704-121 □	120	0.850	0.85
SRI0704-151 □	150	0.880	0.75
SRI0704-171 □	170	1.300	0.74
SRI0704-181 □	180	1.350	0.70
SRI0704-221 □	220	1.400	0.62
SRI0704-271 □	270	1.500	0.55
SRI0704-331 □	330	1.500	0.50
SRI0704-391 □	390	1.800	0.48
SRI0704-471 □	470	2.600	0.40
SRI0704-561 □	560	2.700	0.40
SRI0704-681 □	680	3.700	0.38



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ELECTRICAL CHARACTERISTICS FOR SRI0704

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0704-821 □	820	4.500	0.32
SRI0704-102 □	1000	5.000	0.22
SRI0704-152 □	1500	5.100	0.22

ELECTRICAL CHARACTERISTICS FOR SRI1004

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1004-3R3 □	3.3	0.035	8.00
SRI1004-4R7 □	4.7	0.035	6.00
SRI1004-7R0 □	7.0	0.042	5.00
SRI1004-100 □	10	0.050	4.50
SRI1004-150 □	15	0.080	3.90
SRI1004-200 □	20	0.090	3.70
SRI1004-220 □	22	0.100	3.30
SRI1004-330 □	33	0.200	2.60
SRI1004-470 □	47	0.230	2.00
SRI1004-680 □	68	0.300	1.70
SRI1004-820 □	82	0.300	1.65
SRI1004-101 □	100	0.400	1.53
SRI1004-121 □	120	0.800	1.40
SRI1004-471 □	470	1.230	0.90
SRI1004-801 □	800	2.500	0.57
SRI1004-222 □	2200	5.700	0.35
SRI1004-472 □	4700	13.200	0.19



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ELECTRICAL CHARACTERISTICS FOR SRI1204

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SRI1204-R18 □	0.18	0.0020	15.00
SRI1204-2R0 □	2.00	0.0120	10.00
SRI1204-2R2 □	2.20	0.0120	9.80
SRI1204-3R0 □	3.00	0.0145	9.20
SRI1204-3R9 □	3.90	0.0200	8.00
SRI1204-4R7 □	4.70	0.0250	7.80
SRI1204-5R6 □	5.60	0.0300	7.30
SRI1204-5R8 □	5.80	0.0300	7.30
SRI1204-6R8 □	6.80	0.0300	6.30
SRI1204-8R2 □	8.20	0.0310	5.00
SRI1204-100 □	10	0.0350	4.50
SRI1204-120 □	12	0.0380	4.20
SRI1204-150 □	15	0.0500	4.00
SRI1204-180 □	18	0.0570	3.70
SRI1204-220 □	22	0.0600	3.50
SRI1204-250 □	25	0.0800	3.50
SRI1204-270 □	27	0.0800	3.00
SRI1204-330 □	33	0.0970	2.70
SRI1204-390 □	39	0.0970	2.50
SRI1204-470 □	47	0.1500	2.10
SRI1204-560 □	56	0.1900	1.95
SRI1204-680 □	68	0.2200	1.75
SRI1204-820 □	82	0.2600	1.70
SRI1204-101 □	100	0.2800	1.55
SRI1204-121 □	120	0.2900	1.45
SRI1204-151 □	150	0.5300	1.30
SRI1204-221 □	220	0.7000	1.05
SRI1204-271 □	270	0.8000	0.95



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ELECTRICAL CHARACTERISTICS FOR SRI1205

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1205-1R0 □	1.0	0.017	16.00
SRI1205-1R2 □	1.2	0.018	13.00
SRI1205-1R3 □	1.3	0.018	12.00
SRI1205-1R5 □	1.5	0.020	12.00
SRI1205-2R1 □	2.1	0.020	11.00
SRI1205-2R2 □	2.2	0.021	10.00
SRI1205-3R1 □	3.1	0.021	9.00
SRI1205-3R3 □	3.3	0.021	8.50
SRI1205-4R4 □	4.4	0.022	8.20
SRI1205-4R7 □	4.7	0.022	8.00
SRI1205-5R6 □	5.6	0.023	7.50
SRI1205-5R8 □	5.8	0.023	7.50
SRI1205-6R8 □	6.8	0.023	6.50
SRI1205-7R5 □	7.5	0.024	6.50
SRI1205-8R2 □	8.2	0.024	6.00
SRI1205-100 □	10	0.025	5.00
SRI1205-120 □	12	0.026	4.50
SRI1205-150 □	15	0.030	4.20
SRI1205-180 □	18	0.034	4.00
SRI1205-220 □	22	0.055	4.00
SRI1205-270 □	27	0.055	3.10
SRI1205-300 □	30	0.057	3.00
SRI1205-330 □	33	0.067	2.90
SRI1205-390 □	39	0.083	2.80
SRI1205-470 □	47	0.110	2.50
SRI1205-560 □	56	0.140	2.00
SRI1205-680 □	68	0.160	1.80
SRI1205-820 □	82	0.180	1.80
SRI1205-101 □	100	0.240	1.60
SRI1205-121 □	120	0.290	1.50
SRI1205-151 □	150	0.320	1.40
SRI1205-181 □	180	0.340	1.20
SRI1205-221 □	220	0.550	1.10
SRI1205-271 □	270	0.580	1.00
SRI1205-301 □	300	0.600	1.00
SRI1205-331 □	330	0.620	0.90
SRI1205-391 □	390	0.640	0.80
SRI1205-471 □	470	0.820	0.70
SRI1205-561 □	560	0.840	0.65



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ELECTRICAL CHARACTERISTICS FOR SRI1205

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1205-681 □	680	1.200	0.60
SRI1205-821 □	820	1.340	0.43
SRI1205-102 □	1000	1.650	0.43
SRI1205-162 □	1600	2.300	0.42
SRI1205-202 □	2000	2.500	0.35
SRI1205-392 □	3900	6.000	0.30
SRI1205-682 □	6800	8.900	0.23
SRI1205-103 □	10000	40.000	0.05



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SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI1207

Part No.	Inductance (μH)	RDC (Ω)	IDC (A)
SRI1207-1R2 □	1.2	0.01500	19.00
SRI1207-2R2 □	2.2	0.01600	18.00
SRI1207-2R4 □	2.4	0.01600	17.00
SRI1207-2R9 □	2.9	0.01700	16.00
SRI1207-3R3 □	3.3	0.01800	13.00
SRI1207-3R5 □	3.5	0.01800	13.00
SRI1207-3R9 □	3.9	0.01800	13.00
SRI1207-4R4 □	4.4	0.01900	12.00
SRI1207-4R7 □	4.7	0.01900	12.00
SRI1207-5R0 □	5.0	0.01900	12.00
SRI1207-5R6 □	5.6	0.02000	11.50
SRI1207-6R0 □	6.0	0.02100	11.50
SRI1207-6R1 □	6.1	0.02100	11.50
SRI1207-6R8 □	6.8	0.02200	11.00
SRI1207-7R5 □	7.5	0.02200	9.50
SRI1207-7R6 □	7.6	0.02200	9.50
SRI1207-8R2 □	8.2	0.02300	9.50
SRI1207-100 □	10	0.02400	8.00
SRI1207-120 □	12	0.02500	7.50
SRI1207-150 □	15	0.02700	7.00
SRI1207-180 □	18	0.03300	6.00
SRI1207-220 □	22	0.04320	5.50
SRI1207-270 □	27	0.04600	5.20
SRI1207-330 □	33	0.06500	3.50
SRI1207-390 □	39	0.07300	3.40
SRI1207-470 □	47	0.10000	3.30
SRI1207-560 □	56	0.12000	3.30
SRI1207-680 □	68	0.12000	3.20
SRI1207-820 □	82	0.15001	3.20
SRI1207-101 □	100	0.22000	2.90
SRI1207-121 □	120	0.29000	2.25
SRI1207-151 □	150	0.30000	2.10
SRI1207-181 □	180	0.30000	2.00
SRI1207-191 □	190	0.30000	1.80
SRI1207-221 □	220	0.50000	1.70
SRI1207-271 □	270	0.50000	1.60
SRI1207-331 □	330	0.55000	1.50
SRI1207-391 □	390	0.58000	1.40
SRI1207-471 □	470	0.80000	1.40
SRI1207-561 □	560	0.80000	1.10



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ELECTRICAL CHARACTERISTICS FOR SRI1207

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SRI1207-681 □	680	0.80000	1.00
SRI1207-751 □	750	0.80000	1.00
SRI1207-801 □	800	0.93000	0.95
SRI1207-821 □	820	1.00000	0.90
SRI1207-102 □	1000	1.50000	0.80
SRI1207-142 □	1400	1.78000	0.60
SRI1207-152 □	1500	1.78000	0.60
SRI1207-222 □	2200	3.10000	0.55
SRI1207-252 □	2500	3.20000	0.50
SRI1207-332 □	3300	3.85000	0.47
SRI1207-502 □	5000	7.50000	0.35
SRI1207-103 □	10000	13.50000	0.09
SRI1207-223 □	22000	40.00000	0.08



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ELECTRICAL CHARACTERISTICS FOR SRI1209

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1209-1R0 □	1.0	0.012	20.00
SRI1209-1R7 □	1.7	0.012	20.00
SRI1209-2R2 □	2.2	0.015	20.00
SRI1209-3R1 □	3.1	0.015	17.00
SRI1209-3R3 □	3.3	0.018	16.00
SRI1209-4R7 □	4.7	0.019	15.00
SRI1209-5R0 □	5.0	0.019	14.00
SRI1209-6R8 □	6.8	0.022	12.80
SRI1209-8R2 □	8.2	0.022	11.10
SRI1209-100 □	10	0.024	11.00
SRI1209-120 □	12	0.026	9.50
SRI1209-150 □	15	0.026	7.00
SRI1209-220 □	22	0.040	6.50
SRI1209-330 □	33	0.055	6.00
SRI1209-470 □	47	0.060	5.00
SRI1209-680 □	68	0.100	3.80
SRI1209-820 □	82	0.120	3.50
SRI1209-101 □	100	0.135	3.00
SRI1209-151 □	150	0.180	2.50
SRI1209-181 □	180	0.250	2.35
SRI1209-221 □	220	0.300	2.20
SRI1209-331 □	330	0.350	1.90
SRI1209-471 □	470	0.490	1.50
SRI1209-681 □	680	0.655	1.30
SRI1209-821 □	820	0.700	1.20
SRI1209-102 □	1000	0.830	1.00
SRI1209-122 □	1200	1.200	0.90
SRI1209-152 □	1500	1.400	0.87
SRI1209-202 □	2000	2.000	0.72
SRI1209-222 □	2200	3.000	0.70
SRI1209-252 □	2500	3.000	0.70

* 100uH 以上 Test Frequency : 1KHZ/1V

* 100uH 以下 Test Frequency : 100KHZ/0.1V



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