

SHIELDED SMD POWER INDUCTORS / SRI TYPE

FEATURES

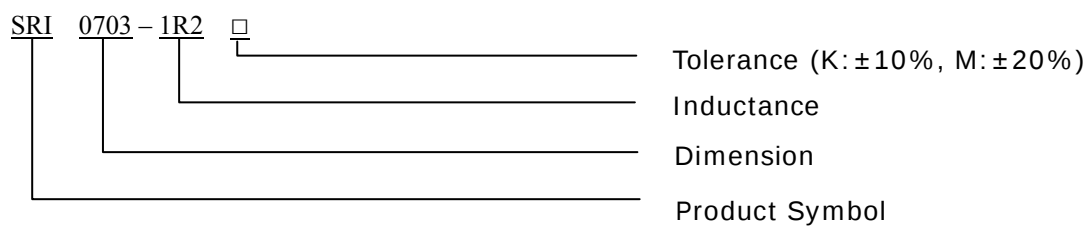
- ◆ Excellent solder ability and high heat resistance for flow soldering.
- ◆ For large current circuits due to its low DC resistance.
- ◆ Excellent in terminal strength due to its high performance ferrite core material and solder ability.



APPLICATIONS

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

ORDERING CODE



SHAPES

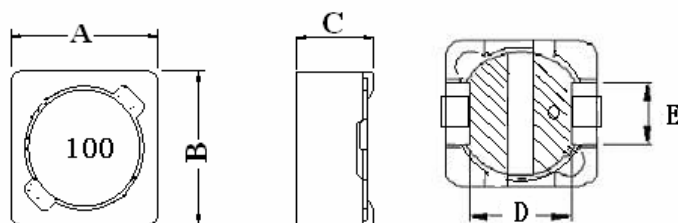


Fig.1

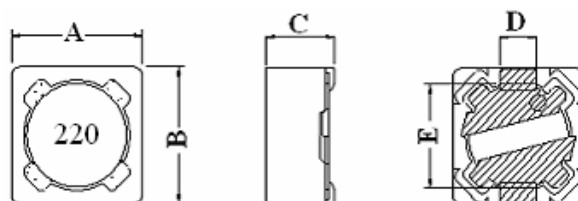


Fig.2

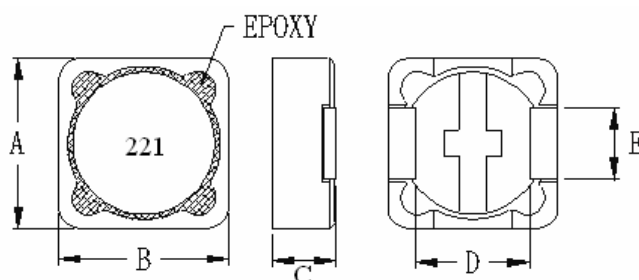


Fig.3

SHIELDED SMD POWER INDUCTORS / SRI TYPE

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	7.6	5.00

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SPECIFICATIONS

Part No	L (uH)	DC Resistance (Ω) Max										Rated Current (A) Max									
		0603	0605	0703	0704	1004	1204	1205	1207	1209	0603	0605	0703	0704	1004	1204	1205	1207	1209		
R18 □	0.18						0.002									15.00					
R47 □	0.47			0.018									10.50								
1R0 □	1.0	0.030			0.015			0.012		0.003	2.50			2.50			7.50		20.00		
1R2 □	1.2				0.025			0.018	0.010					8.00			6.00	15.00			
1R3 □	1.3							0.007									12.00				
1R5 □	1.5			0.020	0.020			0.020					6.00	9.00			12.00				
1R7 □	1.7									0.012									20.00		
1R8 □	1.8				0.020									7.00							
2R0 □							0.012									5.50					
2R1 □	2.1							0.007									10.00				
2R2 □	2.2	0.050		0.030	0.022		0.008	0.014	0.007		2.50		4.50	6.20		8.00	11.00	15.00			
2R4 □	2.4								0.006									10.00			
2R7 □	2.7				0.024									5.50							
2R9 □	2.9								0.015									16.00			
3R0 □	3.0						0.014									6.50					
3R1 □								0.010		0.008							8.00		17.00		
3R3 □	3.3	0.050		0.030	0.026			0.017	0.015		3.00		4.20	4.70			8.00	13.00			
3R5 □	3.5								0.015									13.00			
3R9 □	3.9						0.020		0.017							9.30		13.00			
4R4 □	4.4							0.018	0.025								8.20	12.00			
4R7 □	4.7	0.060		0.065	0.047	0.035	0.018	0.020	0.016	0.020	2.00		3.65	2.47	6.0	5.70	8.00	12.00	15.00		
5R0 □	5.0								0.015									12.00			
5R6 □	5.6								0.020									11.50			
5R8 □	5.8						0.030	0.021								8.00	7.50				
6R0 □	6.0								0.017									5.00			
6R1 □	6.1								0.017									11.50			
6R2 □	6.2				0.040									3.70							
6R8 □	6.8	0.095		0.065	0.040		0.023	0.023	0.016	0.025	2.20		3.00	3.50		6.60	6.50	11.00	12.80		
7R5 □	7.5							0.024	0.025								6.50	9.50			
7R6 □	7.6			0.060					0.020				1.86					5.90			
7R7 □	7.7				0.050									2.80							
8R2 □	8.2						0.031	0.024	0.030							5.00	2.20	9.50			
100 □	10	0.150	0.120	0.076	0.049	0.050	0.028	0.025	0.022	0.030	1.10	2.00	1.68	3.00	4.8	4.50	4.00	7.00	11.00		
120 □	12			0.070			0.038	0.026	0.024	0.040			2.20			4.00	4.50	4.90	9.50		
150 □	15		0.180	0.130	0.081	0.062	0.050	0.030	0.027			1.90	1.33	1.50	4.4	3.20	3.30	7.00			
180 □	18			0.150	0.100		0.057	0.034	0.040				1.80	2.00		3.10	3.00	5.20			
200 □	20					0.074									4.0						
220 □	22	0.340	0.270	0.190	0.110	0.100	0.060	0.058	0.043	0.040	1.20	1.70	1.07	1.95	2.2	3.00	4.00	3.60	6.50		
250 □	25						0.080									4.00					
270 □	27		0.270		0.128			0.050	0.046			1.50		1.50			3.10	3.40			
300 □	30							0.057									2.10				
330 □	33	0.450	0.235	0.280	0.170	0.200	0.097	0.065	0.065	0.055	1.00	1.45	0.91	1.60	3.2	2.70	2.50	3.00	6.00		
390 □	39			0.340	0.300		0.097	0.068	0.073				0.77	0.91		2.90	2.80	2.75			
400 □	40			0.350									2.00								
470 □	47	0.690	0.520	0.360	0.260		0.150	0.075	0.100	0.060	0.85	1.10	0.76	1.30		1.90	1.80	2.50	5.00		
560 □	56			0.320	0.350		0.190	0.110	0.120				0.95	0.75		1.80	1.70	4.20			
680 □	68	0.600	0.630	0.520	0.380	0.300	0.220	0.120	0.120	0.100	0.65	0.95	0.61	0.69	2.3	1.50	1.50	2.30	3.80		
820 □	82	0.770		0.690		0.300	0.260	0.180	0.150	0.120	0.55		0.85		2.1	2.00	1.80	2.65	3.50		
850 □	85								0.150									3.30			

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		0603	0605	0703	0704	1004	1204	1205	1207	1209	0603	0605	0703	0704	1004	1204	1205	1207	1209	
101 □	100	1.400	1.030	0.790	0.610	0.400	0.350	0.170	0.132		0.50	0.80	0.50	0.60	1.9	1.80	1.80	3.20		
121 □	120	1.900			1.500		0.290	0.220	0.190		0.35			0.85		1.60	1.10	2.25		
151 □	150		1.100	1.270	0.880		0.530	0.230	0.324	0.180		0.60	0.43	0.46		0.95	1.40	2.10	2.50	
171 □	170				2.500									0.74						
181 □	180	2.770		0.980				0.290	0.300	0.250	0.26		0.39				0.90	1.88	2.35	
191 □	190								0.300									1.50		
221 □	220			1.650	1.170		0.700	0.400	0.310	0.300			0.35	0.62		0.80	1.00	1.50	2.20	
271 □	270			2.310	1.500			0.460	0.450				0.32	0.55			0.75	1.80		
301 □	300							0.470									1.00			
331 □	330	4.940		2.620	1.550			0.510	0.550		0.20		0.28	0.40			0.68	1.00		
391 □	390							0.530	0.580								0.80	0.80		
471 □	470	4.030	3.000	4.180	3.010	1.230		0.770	1.120		0.26	0.35	0.35	0.40	0.90		0.80	1.40		
561 □	560		4.000						0.800			0.30						1.10		
681 □	680	6.300		5.730				1.200	1.000		0.21		0.30				0.60	0.95		
751 □	750								0.800									1.00		
821 □	820	7.400						1.340	1.000		0.20						0.43	0.90		
102 □	1000	10.50	8.000	9.660	6.000			1.650	1.500	0.830	0.16	0.20	0.23	0.25			0.40	0.80	1.00	
122 □	1200									1.200									0.80	
152 □	1500				5.100				1.780	1.400				0.22				0.60	0.87	
332 □	3300								3.850									0.47		
103 □	10000							40.000									0.05			

★ Test Frequency: 1.2~7.6uH(7.96MHz/0.25V), 10~1000uH(1KHz/0.25V)