

Application Field

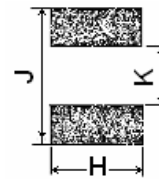
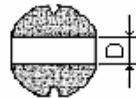
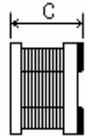
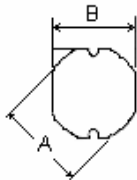
- VTR.OA equipment. LCD television set
- Note book
- Portable communication equipment
- DC / DC converters



Features

- Open Magnetic circuit construction
- Compact and thin,
- Put the electrode with ferrite core directly a small surface area allow a high mounting density

Dimensions and footprint (unit:mm)

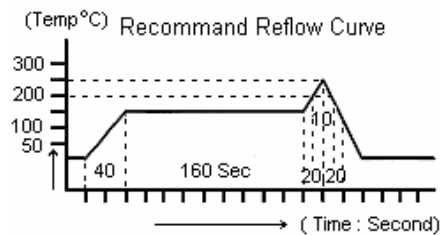


PCB Pattern

TYPE	A	B	C	D(typ)	H(typ)	J(typ)	K(typ)
SD3512	3.5±0.3	3.0±0.3	1.4Max	1.2	3.5	4.0	0.8
SD3516	3.5±0.3	3.0±0.3	1.6±0.3	1.2	3.5	4.0	0.8
SD3521	3.5±0.3	3.0±0.3	2.0±0.3	1.2	3.5	4.0	0.8
SD0402	4.5±0.3	4.0±0.3	2.6±0.3	1.2	4.5	5.0	1.5
SD0403	4.5±0.3	4.0±0.3	3.2±0.3	1.2	4.5	5.0	1.5
SD05018	5.8±0.3	5.2±0.3	2.2±0.3	1.3	5.5	6.0	1.7
SD0502	5.8±0.3	5.2±0.3	2.5±0.3	2.0	5.5	6.0	1.7
SD0503	5.8±0.3	5.2±0.3	3.0±0.3	1.3	5.5	6.0	1.7
SD0504	5.8±0.3	5.2±0.3	4.5±0.4	1.3	5.5	6.0	1.7
SD07025	7.8±0.3	7.0±0.3	2.5 max	2.1	7.5	8.0	2.0
SD0703	7.8±0.3	7.0±0.3	3.5±0.5	2.1	7.5	8.0	2.0
SD0705	7.8±0.3	7.0±0.3	5.0±0.5	2.6	7.5	8.0	2.0
SD1004	10.0±0.4	9.0±0.3	4.0±0.3	2.1	9.5	10	2.0
SD1005	10.0±0.4	9.0±0.3	5.4±0.4	2.1	9.5	10	2.0
SD1006	10.0±0.4	9.0±0.3	7.5Max	2.1	9.5	10	2.0
SD1008	10.0±0.4	9.0±0.3	8.5Max	3.0	9.5	10	2.0

General Specification:

1. Storage temp: -40°C ~ +125°C
2. Operating temp: -25°C ~ +105°C
3. Resistance to solder heat : 250°C 10secs





SD07025, SD0703, SD0703C, SD0705-Series

Part No.	L(μH)	07025		0703		0703C		0705	
		RDC(Ω)max	IDC(A)Min	RDC(Ω)max	IDC(A)min	RDC(Ω)max	IDC(A)min	RDC(Ω)max	IDC(A)min
R47	0.47							0.008	8.00
1R0	1.0	0.020	1.60	0.018	1.64			0.013	3.40
1R2	1.2							0.017	3.40
1R5	1.5	0.025	1.59	0.020	1.60			0.016	3.30
1R8	1.8							0.020	3.20
2R2	2.2			0.023	1.60			0.023	3.00
2R5	2.5							0.026	2.90
2R7	2.7								
3R3	3.3	0.039	1.54	0.025	1.59			0.028	2.80
3R9	3.9								
4R7	4.7	0.048	1.49	0.039	1.54			0.045	2.70
4R8	4.8								
5R6	5.6							0.048	2.65
6R8	6.8	0.063	1.46	0.04	1.49			0.058	2.60
7R5	7.5							0.060	2.55
8R2	8.2	0.080	1.44	0.08	1.46			0.070	2.40
100	10	0.097	1.39	0.08	1.44			0.070	2.30
110	11			0.09	1.42				
120	12	0.110	1.24	0.09	1.39			0.08	2.00
150	15	0.130	1.12	0.10	1.24			0.09	1.80
180	18	0.160	1.07	0.11	1.12			0.10	1.60
220	22	0.190	0.94	0.13	1.07			0.11	1.50
270	27	0.230	0.85	0.15	0.94			0.12	1.30
330	33	0.290	0.74	0.17	0.85			0.13	1.20
390	39			0.22	0.74			0.16	1.10
470	47	0.430	0.64	0.25	0.68	0.25	1.05	0.23	0.95
560	56			0.28	0.64			0.24	0.94
680	68			0.33	0.59			0.28	0.85
700	70			0.35	0.56				
800	80			0.38	0.55			0.35	0.78
820	82			0.41	0.54			0.37	0.78
101	100			0.48	0.51			0.43	0.72
121	120			0.54	0.49			0.47	0.66
151	150			0.75	0.40			0.64	0.58
181	180			1.02	0.36			0.71	0.51
201	200								
221	220			1.20	0.31			0.96	0.49
261	260							1.00	0.45
271	270			1.31	0.29			1.11	0.42
331	330			1.50	0.28			1.26	0.40
391	390			1.70	0.27			1.77	0.36
411	410							1.85	0.35
471	470			2.100	0.26			1.96	0.34
511	510							2.10	0.33
561	560			2.66	0.25			2.28	0.32
681	680							2.48	0.30
821	820			3.630	0.21			3.400	0.30
102	1000			4.76	0.20			4.20	0.30
122	1200							5.00	0.17
152	1500							5.52	0.16
182	1800							6.05	0.15
202	2000							7.28	0.14
252	2500							9.68	0.11
302	3000							10.00	0.12
502	5000			26.00	0.10				
532	5300							24.00	0.08
562	5600			31.20	0.18				
602	6000							18.00	0.09
802	8000							27.00	0.07
882	8800							28.00	0.04
902	9000							36.00	0.03
103	10000			55.00	0.05				
113	11000			62.00	0.037				
123	12000								

SDxxxx-xxxK-E, Code "-E" : RoHS compliant

Inductance tolerance : N±30% M±20% L±15% K±10% J±5% IDC : Δ L / L (0A) ≤ 10%
 Inductance tested : 0.47μH - 8.2μH / 100KHZ / 0.25V 10μH -12000μH / 1KHZ / 0.25V

