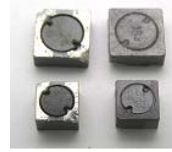


Application Field

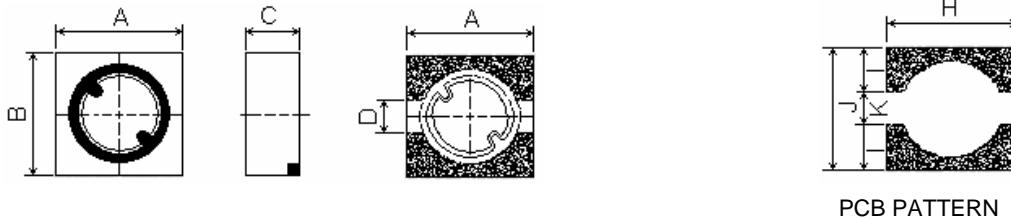
- TV games, Computers Devices.
- Disk Drives
- DC/DC converter application.



Features

- Magnetically shielded construction
- Compact and thin
- Large Current and Low DCR

Dimensions and footprint (unit:mm)

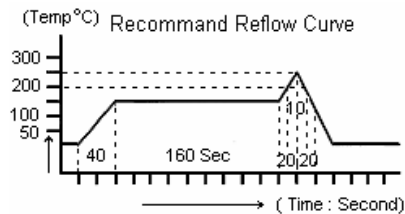


unit : mm

TYPE	A	B	C	D(typ)	H(typ)	I(typ)	J(typ)	K(typ)
SCDA4010	3.8 ±0.30	3.8 ±0.30	1.25max	1.20	4.40	1.65	4.40	1.10
SCDA4015	3.8 ±0.30	3.8 ±0.30	1.50max	1.20	4.40	1.65	4.40	1.10
SCDA4018	3.8 ±0.30	3.8 ±0.30	1.65max	1.30	4.40	1.65	4.40	1.10
SCDA4020	3.8 ±0.30	3.8 ±0.30	2.0max	1.20	4.40	1.65	4.40	1.10
SCDA4030	3.8 ±0.30	3.8 ±0.30	3.0max	1.20	4.40	1.65	4.40	1.10
SCDA5010	5.30 max	5.30 max	1.2max	2.00	5.90	2.00	5.90	1.90
SCDA5014	5.30 max	5.30 max	1.45max	2.00	5.90	2.00	5.90	1.90
SCDA5018	5.30 max	5.30 max	1.8max	2.00	5.90	2.00	5.90	1.90
SCDA5020	5.30 max	5.30 max	2.0max	2.00	5.90	2.00	5.90	1.90
SCDA5025	5.30 max	5.30 max	2.5max	2.00	5.90	2.00	5.90	1.90
SCDA5030	5.30 max	5.30 max	3.0max	2.00	5.90	2.00	5.90	1.90
SCDA6010	5.8 ±0.30	5.8 ±0.30	1.2max	1.90	6.90	2.50	6.90	1.90
SCDA6030	5.8 ±0.30	5.8 ±0.30	2.8 ±0.20	1.90	6.90	2.50	6.90	1.90
SCDA6915	6.9 ±0.30	6.9 ±0.30	1.5max	2.50	7.30	2.65	7.30	2.00
SCDA6919	6.9 ±0.30	6.9 ±0.30	1.9max	2.50	7.30	2.65	7.30	2.00
SCDA7040	7.3 ±0.40	7.3 ±0.40	4.0 ±0.30	1.80	8.00	3.20	8.00	1.60
SCDA10015	10.0 ±0.30	10.0 ±0.30	1.5max	2.50	10.60	4.15	10.60	2.30
SCDA10025	10.0 ±0.30	10.0 ±0.30	2.5max	2.50	10.60	4.15	10.60	2.30
SCDA10040	10.0 ±0.30	10.0 ±0.30	4.0max	2.50	10.60	4.15	10.60	2.30
SCDA10062	10.0 ±0.30	10.0 ±0.30	6.7max	2.50	10.60	4.15	10.60	2.30

General Specification:

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





SCDA4010-Series , SCDA4015-Series , SCDA4018-Series

Part No.	4010			4015		4018	
	L(μH)	RDC(Ω)Max	IDC(A)Min	RDC(Ω)Max	IDC(A)Min	RDC(Ω)Max	IDC(A)Min
1R0	1.0	0.06	1.60				
1R2	1.2	0.065	1.40				
1R5	1.5	0.077	1.24				
1R8	1.8	0.093	1.22				
2R2	2.2	0.125	1.20				
2R4	2.4	0.139	0.98				
3R3	3.3	0.187	0.89				
3R5	3.5	0.21	0.85				
3R9	3.9	0.22	0.78				
4R7	4.7	0.24	0.71				
5R6	5.6	0.32	0.62				
6R8	6.8	0.35	0.57				
8R2	8.2	0.47	0.52				
100	10	0.57	0.47			0.300	0.32
120	12	0.75	0.43				
150	15	0.81	0.38				
180	18	1.06	0.35				
220	22	1.15	0.32				
270	27	1.67	0.29				
330	33	1.84	0.28				
390	39	2.31	0.25				
470	47	2.63	0.22				
560	56	2.86	0.20				
680	68	3.94	0.18				
820	82	4.90	0.16				
101	100	5.74	0.14				
121	120	7.31	0.13				
151	150	9.30	0.12				
181	180	8.50	0.11				
331	330						
471	470	22.760	0.057	19.500	0.100		

SCDAxxxx-xxxK-E Code "-E" : RoHs compliant

Inductance tolerance : N±30% M±20% L±15% K±10% J±5% IDC : $\Delta L / L (0A) \leq 75\%$

Inductance tested : 1.0μH - 8.2μH / 100KHZ / 0.25V 10μH - 470μH / 1KHZ / 0.25V





SCDA4020-Series , SCDA4030-Series

Part No.	L(μH)	4020		4030	
		RDC(Ω)Max	IDC(A)Min	RDC(Ω)Max	IDC(A)Min
R47	0.47	0.017	1.840		
1R0	1.0	0.030	1.800		
1R2	1.2	0.043	1.700		
1R5	1.5	0.052	1.600	0.015	1.90
1R8	1.8	0.056	1.550	0.018	1.76
2R2	2.2	0.058	1.500	0.020	1.67
2R4	2.4			0.022	1.65
2R5	2.5	0.059	1.400		
2R7	2.7	0.059	1.400	0.028	1.45
3R0	3.0			0.030	1.44
3R3	3.3	0.064	1.300	0.032	1.44
3R5	3.5	0.127	1.300		
3R6	3.6			0.035	1.43
3R9	3.9	0.135	1.120	0.037	1.32
4R3	4.3			0.043	1.00
4R7	4.7	0.146	1.100	0.045	0.97
5R1	5.1			0.046	0.94
5R6	5.6	0.176	0.950		
6R2	6.2	0.220	0.910		
6R8	6.8	0.238	0.900	0.065	0.87
7R5	7.5			0.079	0.82
8R2	8.2	0.272	0.800	0.091	0.77
100	10	0.299	0.700	0.105	0.70
120	12			0.119	0.67
150	15	0.472	0.610	0.140	0.54
180	18			0.175	0.50
220	22	0.592	0.520	0.201	0.48
270	27	0.630	0.440	0.227	0.40
330	33	1.075	0.430	0.287	0.35
390	39			0.341	0.33
470	47	1.309	0.340	0.430	0.32
560	56			0.471	0.30
680	68	2.613	0.250	0.532	0.27
820	82	2.950	0.200	0.675	0.23
101	100	3.255	0.190	0.850	0.21
121	120			1.110	0.20
151	150	3.550	0.120	1.230	0.17
181	180			1.560	0.15
221	220	4.900	0.090	1.800	0.14
271	270			2.200	0.13
331	330	7.280	0.080	2.640	0.12
391	390			3.200	0.10
471	470			3.820	0.10
561	560			4.620	0.09
681	680	13.370	0.070		
821	820				
102	1000	19.550	0.065		
122	1200				
152	1500	36.150	0.038		
182	1800	57.620	0.036		
222	2200	84.430	0.035		

SCDAxxxx-xxxK-E Code "-E" : RoHs compliant

Inductance tolerance : N±30% M±20% L±15% K±10% J±5% IDC : $\Delta L / L (0A) \leq 75\%$

Inductance tested : R47μH - 8.2μH / 100KHZ / 0.25V 10μH - 2200μH / 1KHZ / 0.25V

