

Application Field

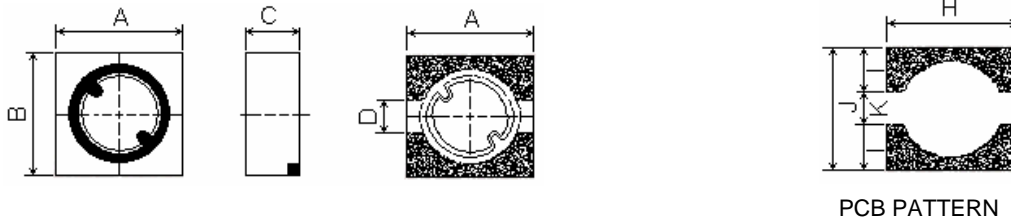
- TV games, Computers Devices.
- Disk Drives
- DC/DC converter application.



Features

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

Dimensions and footprint (unit:mm)

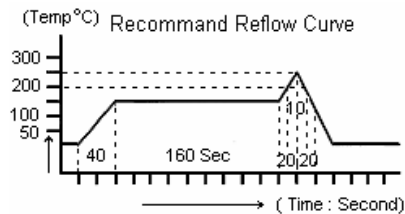


unit : mm

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





SCDA-5020-Series , SCDA-5025-Series , SCDA-5030-Series

Part No.	L(μ H)	SCDA-5020		SCDA-5025		SCDA-5030	
		RDC(Ω)Max	IDC(A)Min	RDC(Ω)Max	IDC(A)Min	RDC(Ω)Max	IDC(A)Min
R47	0.47	0.020	3.900				
1R0	1.0	0.030	2.70			0.015	4.000
1R1	1.1					0.020	3.870
1R2	1.2	0.044	2.150			0.022	3.800
1R5	1.5			0.027	3.230		
2R0	2.0	0.046	1.900			0.027	2.920
2R2	2.2	0.059	1.630	0.044	2.020	0.029	2.410
3R0	3.0					0.033	2.370
3R3	3.3	0.062	1.500	0.068	1.960	0.034	2.360
3R5	3.5	0.073	1.340				
4R1	4.1	0.081	1.200				
4R7	4.7	0.087	1.140	0.090	1.610	0.045	1.870
5R6	5.6	0.093	1.000			0.052	1.600
6R8	6.8	0.105	0.950	0.130	1.400	0.068	1.510
8R2	8.2	0.139	0.900			0.084	1.380
9R0	9.0	0.140	0.830				
100	10	0.15	0.760	0.15	0.900	0.090	1.330
120	12	0.17	0.660			0.125	1.080
150	15	0.21	0.630			0.142	1.050
180	18					0.160	0.950
220	22	0.275	0.560	0.250	0.650	0.208	0.860
270	27					0.222	0.750
330	33	0.455	0.440	0.450	0.600	0.257	0.720
390	39	0.54	0.380				
470	47	0.73	0.350	0.63	0.520	0.352	0.620
560	56	0.80	0.320				
680	68	0.935	0.300			0.525	0.510
101	100	1.50	0.230	1.40	0.350	0.801	0.430
121	120	1.91	0.220			0.85	0.340
151	150	2.68	0.210			1.10	0.260
181	180	3.045	0.200			1.19	0.240
221	220	3.52	0.195			1.53	0.200
271	270	4.38	0.193				
331	330	5.56	0.190	5.00	0.190	2.03	0.190
391	390					3.0	0.160
471	470	7.82	0.180			3.50	0.150
561	560	9.79	0.170			4.450	0.140
821	820	15.0	0.120	10.5	0.125		
122	1200					8.50	0.070
152	1500					10.0	0.065
182	1800					13.15	0.062
222	2200					19.0	0.050
252	2500					20.0	0.045
392	3900	89.88	0.042				
472	4700	101.12	0.038				
502	5000	110.00	0.037				
562	5600	115.0	0.036				
682	6800	152.0	0.030				
103	10000	201.16	0.026				

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

Inductance tolerance : N \pm 30% M \pm 20% L \pm 15% K \pm 10% J \pm 5% IDC : Δ L / L (0A) \leq 75%Inductance tested : 0.47 μ H - 9.0 μ H / 100KHZ / 0.25V 10 μ H - 10000 μ H / 1KHZ / 0.25V



SCDA6010-Series SCDA6030-Series

		SCDA6010		SCDA6030	
Part No.	L(μH)	RDC(Ω)Max	IDC(A)Min	RDC(Ω)Max	IDC(A)Min
3R3	3.3	0.100	1.30		
6R8	6.8	0.190	0.85		
100	10	0.300	0.70		
150	15			0.100	0.82

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

Inductance tolerance : N±30% M±20% L±15% K±10% J±5%

Inductctance sested : 3.3μH - 6.8μH / 100KHZ / 0.25V 10μH μH / 1KHZ / 0.25V

SCDA10040 IDC : Δ L / L (0A) ≤ 30%, SCDA10040 IDC : Δ L / L (0A) ≤ 65%

