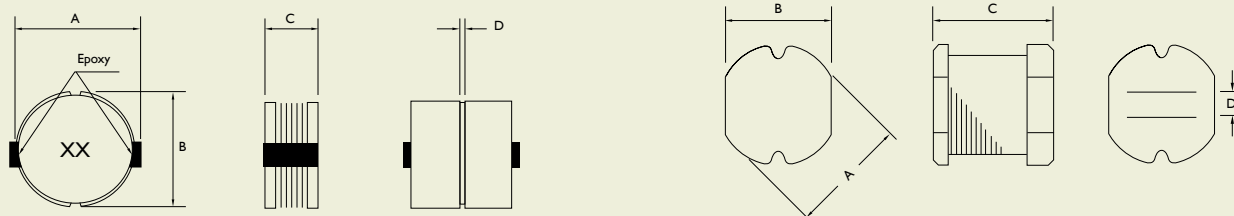


SHAPES AND DIMENSIONS

Unit: mm

SCD0301

SCD03011~SCD1006



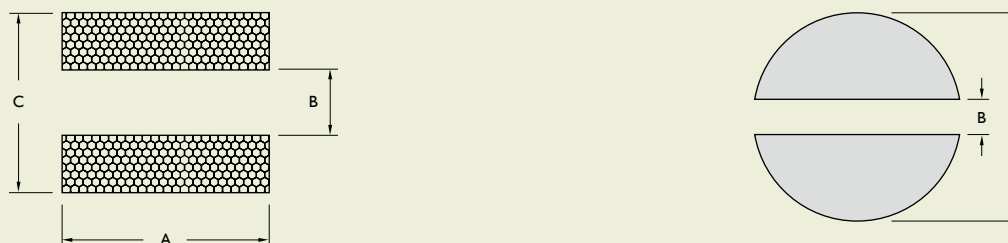
TYPE	A	B	C	D
SCD0301	3.5 ⁺⁰	3.0 ⁺⁰	1.05 ⁺⁰	0.6 typ
SCD03011	3.5 ± 0.3	3.0 ± 0.3	1.1 ± 0.3	1.0 typ
SCD03015	3.3 ± 0.3	3.0 ± 0.3	1.5 ± 0.3	1.0 typ
SCD03021	3.3 ± 0.3	3.0 ± 0.3	2.1 ± 0.3	1.0 typ
SCD0403	4.5 ± 0.3	4.0 ± 0.3	3.2 ± 0.3	1.2
SCD0501	5.8 ± 0.3	5.2 ± 0.3	2.2 ⁺⁰	2.0 typ
SCD0502	5.8 ± 0.3	5.2 ± 0.3	2.5 ± 0.3	2.0 typ
SCD0503	5.8 ± 0.3	5.2 ± 0.3	3.0 ± 0.3	2.0 typ
SCD0504	5.8 ± 0.3	5.2 ± 0.3	4.5 ± 0.4	1.3
SCD0506	5.8 ± 0.3	5.2 ± 0.3	6.0 ± 0.4	1.3
SCD0703	7.8 ± 0.3	7.0 ± 0.3	3.5 ± 0.3	2.1
SCD0705	7.8 ± 0.3	7.0 ± 0.3	5.0 ± 0.3	2.1
SCD0706	7.8 ± 0.3	7.0 ± 0.3	6.0 ± 0.3	2.1
SCD1004	10.0 ± 0.3	9.0 ± 0.3	4.0 ± 0.5	2.1
SCD1005	10.0 ± 0.4	9.0 ± 0.4	5.4 ± 0.4	2.1
SCD1006	10.0 ± 0.4	9.0 ± 0.4	6.5 ± 0.4	2.1

RECOMMENDED PATTERN

Unit: mm

SCD0301

SCD03011~SCD1006



TYPE	SCD 0301	SCD 03011	SCD 03015	SCD 03021	SCD 0403	SCD 0501	SCD 0502	SCD 0503	SCD 0504	SCD 0506	SCD 0703	SCD 0705	SCD 0706	SCD 1004	SCD 1005	SCD 1006
A	2.9	4.5	4.5	4.5	5.5	6.8	6.8	6.8	6.8	6.8	8.8	8.8	8.8	11	11	11
B	1.5	1.5	1.0	1.0	1.2	2.0	2.0	2.0	1.3	1.3	2.1	2.1	2.1	2.1	2.1	2.1
C	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



ELECTRICAL CHARACTERISTICS DC RESISTANCE

STAMP	INDUCTANCE (μH)	DC RESISTANCE (Ω) Max.															
		SCD 0301	SCD 03011	SCD 03015	SCD 03021	SCD 0403	SCD 0501	SCD 0502	SCD 0503	SCD 0504	SCD 0506	SCD 0703	SCD 0705	SCD 0706	SCD 1004	SCD 1005	SCD 1006
1R0	1.0		0.084		0.07	0.033	0.034	0.03	0.03								
1R2	1.2								0.03								
1R4	1.4				0.09	0.038	0.048	0.04					0.02				
1R5	1.5		0.126						0.03								
1R8	1.8				0.11	0.042	0.062	0.05	0.03				0.02				
2R2	2.2	0.33	0.18	0.10 ± 30%	0.13	0.047	0.064	0.06	0.03								
2R7	2.7				0.14	0.052	0.078	0.07	0.04				0.02				
3R3	3.3	0.52	0.27		0.17	0.058	0.097	0.08	0.05								
3R9	3.9		0.32		0.19	0.076	0.105	0.09	0.06				0.03				
4R7	4.7	0.62	0.33	0.15 ± 30%	0.21	0.094	0.134	0.14	0.07				0.04			0.04	
5R6	5.6		0.48		0.22	0.101	0.170	0.15	0.08				0.04				
6R8	6.8	0.87	0.56		0.25	0.117	0.187	0.16	0.09				0.04			0.037	
8R2	8.2	1.00	0.62		0.28	0.132	0.225	0.17	0.10				0.05				
100	10	1.14	0.90	0.30 ± 30%	0.32	0.182	0.255	0.18	0.12	0.10		0.08	0.07		0.05	0.06	
120	12	1.44	1.00		0.35	0.210	0.292	0.20	0.13	0.12		0.09	0.08		0.06	0.07	
150	15	1.60	1.10	0.58 ± 30%	0.40	0.235	0.360	0.22	0.15	0.14		0.10	0.09	0.08	0.07	0.08	
180	18		1.24		0.48	0.338	0.430	0.25	0.22	0.15		0.11	0.10		0.08	0.09	
220	22	1.90	1.40	0.71 ± 30%	0.58	0.378	0.492	0.35	0.22	0.18	0.165	0.13	0.11		0.09	0.10	
270	27	2.85	2.18		0.65	0.522	0.603	0.45	0.26	0.20		0.15	0.12		0.10	0.11	
330	33		2.54	1.10 ± 30%	0.80	0.540	0.796	0.56	0.33	0.23		0.17	0.13	0.14	0.12	0.12	
390	39		2.80		0.90	0.587	0.897	0.69	0.42	0.32		0.22	0.16		0.15	0.14	
470	47		3.10	1.30 ± 30%	1.19	0.844	1.020	0.72	0.50	0.37		0.25	0.18		0.17	0.17	
500	50		3.20		1.22		1.040										
560	56		3.50		1.27	0.937	1.164	0.84	0.55	0.42		0.28	0.24		0.20	0.19	
680	68		5.80	2.20 ± 30%	1.73	1.117	1.220	0.90	0.65	0.46		0.33	0.28		0.22	0.22	
750	75		6.10		1.90		1.340										
820	82		6.60		1.99		1.570	1.20	0.80	0.60		0.41	0.37		0.30	0.25	
101	100			3.50 ± 30%	2.52	2.000	1.80	1.30	0.90	0.70		0.48	0.43		0.34	0.35	
121	120				2.90		2.00	1.38	1.00	0.93		0.54	0.47		0.40	0.40	
151	150				3.36		2.80	1.81	1.30	1.10		0.75	0.64		0.54	0.47	
181	180				5.10		3.15	1.95	1.50	1.38		1.02	0.71		0.62	0.63	
221	220				5.80		4.40	3.00	2.00	1.57		1.20	0.96		0.72	0.73	
271	270				7.80		6.40	3.20	2.50	1.85		1.31	1.11		0.95	0.97	
301	300				8.10		6.75										
331	330				9.24		7.20	3.82	3.20	2.00		1.50	1.26		1.10	1.15	
391	390				10.14		8.40	4.68	3.50	2.60			1.77		1.24	1.30	
461	460				11.15		12.0										
471	470				11.48		12.4	5.10	4.20	3.00			1.96		1.53	1.48	
561	560				19.49		13.0	8.50	4.50	4.19					1.90	1.90	
681	680				22.00		17.0	10.0	6.50	4.44						2.25	
821	820				23.98		19.5	12.0	7.50	5.12						2.55	
102	1,000				28.80		24.0	18.0	8.00	10.0							14
122	1,200			38 ± 30%													50
152	1,500			55 ± 30%													
602	6,000																
822	8,200																

Note:

Test Freq.(L): SCD0301: 0.1V/100KHz; SCD03011: (100KHz/1V), SCD03015: (1MHz/1V)

SCD03021/0403/0501/0502/ 0503: 1.0 to 8.2 μH (7.96MHz/1V), 10 to 82 μH (2.52MHz/1V), 100 to 1,000 μH (1KHz/1V).

SCD0504/0506/0703/0705/0706/1004: 1.0 to 8.2 μH (7.96MHz/1V), 10 to 82 μH (2.52MHz/1V), 100 to 1,000 μH (1KHz/1V).

SCD1005/1006: 1.0 to 8.2 μH (7.96MHz/1V), 10 to 82 μH (2.52MHz/1V), 100 to 1,000 μH (1KHz/1V).

Test Instrument: L- HP 4192A, RDC- CH502BC, Rated D.C. Current- HP4284+42841A or CH1061 +CH301A

ELECTRICAL CHARACTERISTICS PERMISSIBLE D.C. CURRENT (A)

STAMP	INDUCTANCE (μH)	DC RESISTANCE (Ω) Max.															
		SCD 0301	SCD 03011	SCD 03015	SCD 03021	SCD 0403	SCD 0501	SCD 0502	SCD 0503	SCD 0504	SCD 0506	SCD 0703	SCD 0705	SCD 0706	SCD 1004	SCD 1005	SCD 1006
IR0	1.0		1.80		2.080	3.80	4.00	4.50	4.50								
IR2	1.2								4.20								
IR4	1.4				1.860	3.30	3.60	4.00					3.70				
IR5	1.5		1.44						4.10								
IR8	1.8				1.800	2.91	3.00	3.30	3.70				3.70				
2R2	2.2	1.08	1.26	0.79	1.390	2.60	2.65	2.94	3.50								
2R7	2.7				1.320	2.43	2.20	2.50	3.20				3.70				
3R3	3.3	0.92	1.08		1.250	2.15	2.11	2.35	2.80								
3R9	3.9		1.00		1.200	1.98	2.00	2.20	2.60				3.70				
4R7	4.7	0.74	0.90	0.65	1.130	1.70	1.80	2.00	2.50				3.50			2.60	
5R6	5.6		0.76		0.910	1.60	1.60	1.80	2.40				3.30				
6R8	6.8	0.63	0.68		0.850	1.41	1.50	1.70	2.20				3.10			4.33	
8R2	8.2	0.58	0.63		0.820	1.26	1.30	1.40	2.00				2.70				
100	10	0.50	0.56	0.45	0.740	1.15	1.10	1.20	1.80	1.44		1.44	2.30		2.38	2.60	
120	12	0.46	0.52		0.640	1.05	1.05	1.18	1.75	1.40		1.39	2.00		2.13	2.45	
150	15	0.43	0.50	0.30	0.600	0.92	1.00	1.15	1.70	1.30		1.24	1.80	2.80	1.87	2.27	
180	18		0.46		0.540	0.84	0.95	1.10	1.60	1.23		1.12	1.60		1.73	2.15	
220	22	0.35	0.36	0.25	0.500	0.76	0.90	1.00	1.50	1.11	1.60	1.07	1.50		1.60	1.95	
270	27	0.32	0.30		0.430	0.71	0.77	0.86	1.40	0.97		0.94	1.30		1.44	1.76	
330	33		0.28	0.20	0.400	0.64	0.68	0.76	1.10	0.88		0.85	1.20	2.30	1.26	1.50	
390	39		0.26		0.370	0.59	0.67	0.75	1.00	0.80		0.74	1.10		1.20	1.37	
470	47		0.25	0.17	0.360	0.54	0.66	0.73	0.90	0.72		0.68	1.10		1.10	1.28	
500	50		0.24		0.330		0.61										
560	56		0.23		0.310	0.50	0.50	0.55	0.85	0.68		0.64	0.94		1.01	1.17	
680	68		0.20	0.13	0.300	0.46	0.47	0.52	0.80	0.61		0.59	0.85		0.91	1.11	
750	75		0.18		0.290		0.46										
820	82		0.17		0.280		0.45	0.50	0.65	0.58		0.54	0.78		0.85	1.00	
101	100			0.10	0.250	0.40	0.36	0.40	0.60	0.52		0.51	0.72		0.74	0.97	
121	120				0.200		0.32	0.36	0.58	0.48		0.49	0.66		0.69	0.89	
151	150				0.190		0.27	0.30	0.43	0.40		0.40	0.58		0.61	0.78	
181	180				0.170		0.23	0.26	0.41	0.38		0.36	0.51		0.56	0.72	
221	220				0.160		0.22	0.25	0.38	0.35		0.31	0.49		0.53	0.66	
271	270				0.140		0.19	0.21	0.35	0.29		0.29	0.42		0.45	0.57	
301	300				0.135		0.18										
331	330				0.130		0.16	0.18	0.28	0.28		0.28	0.40		0.42	0.52	
391	390				0.120		0.15	0.16	0.26	0.26			0.36		0.38	0.48	
461	460				0.090		0.14										
471	470				0.084		0.14	0.15	0.20	0.12			0.34		0.35	0.42	
561	560				0.080		0.13	0.14	0.19	0.10					0.32	0.33	
681	680				0.080		0.12	0.13	0.18	0.08						0.28	
821	820				0.070		0.063	0.07	0.15	0.05						0.24	
102	1,000				0.060		0.045	0.05	0.13	0.03							
122	1,200			0.05													
152	1,500			0.03													
602	6,000																0.27
822	8,200																0.20

Tolerance of Inductance: SCD0301: 2.2 to 27 $\mu\text{H} \pm 20\%$; SCD03011: 1.0 to 82 $\mu\text{H} \pm 20\%$; SCD03015: 2.2 to 1,500 $\mu\text{H} \pm 20\%$; SCD03021: 1.0 to 1,000 $\mu\text{H} \pm 20\%$ SCD0403: 1.0 to 27 $\mu\text{H} \pm 20\%$, 33 to 100 $\mu\text{H} \pm 10\%$; SCD0501: 1.0 to 27 $\mu\text{H} \pm 20\%$, 33 to 1,000 $\mu\text{H} \pm 10\%$ SCD0502: 1.0 to 27 $\mu\text{H} \pm 20\%$, 33 to 1,000 $\mu\text{H} \pm 10\%$; SCD0503: 1.0 to 27 $\mu\text{H} \pm 20\%$, 33 to 1,000 $\mu\text{H} \pm 10\%$ SCD0504: 1.0 to 27 $\mu\text{H} \pm 20\%$, 33 to 47 $\mu\text{H} \pm 15\%$, 56 to 1,000 $\mu\text{H} \pm 10\%$; SCD0506: 22 $\mu\text{H} \pm 20\%$ SCD0703: 1.0 to 27 $\mu\text{H} \pm 20\%$, 33 to 330 $\mu\text{H} \pm 10\%$; SCD0705: 1.4 to 27 $\mu\text{H} \pm 20\%$, 33 to 470 $\mu\text{H} \pm 10\%$ SCD0706: 15 $\mu\text{H} \pm 20\%$, 33 $\mu\text{H} \pm 10\%$; SCD1004: 1.0 to 27 $\mu\text{H} \pm 20\%$, 33 to 560 $\mu\text{H} \pm 10\%$; SCD1005: 4.7 to 27 $\mu\text{H} \pm 20\%$, 33 to 820 $\mu\text{H} \pm 10\%$ SCD1006: 4.7 to 27 $\mu\text{H} \pm 20\%$, 33 to 820 $\mu\text{H} \pm 10\%$; SCD1006: 6,000 to 8,200 $\mu\text{H} \pm 20\%$ Tolerance: K = $\pm 10\%$, M = $\pm 20\%$ This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current when at $\Delta T = 40^\circ\text{C}$ whichever is lower

TAPE DIMENSIONS

Figure 1

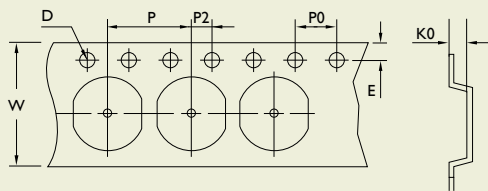
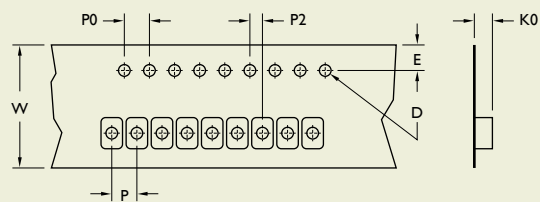
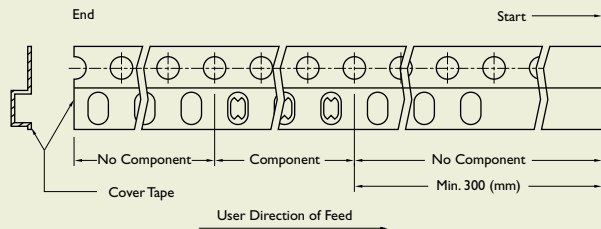


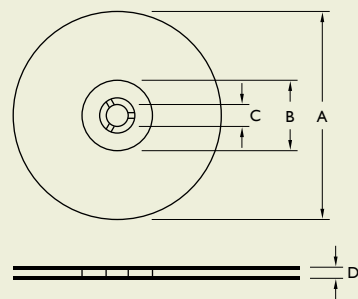
Figure 2



TAPE MATERIAL



REEL DIMENSIONS



Dimensions: mm

TYPE	FIGURE	TAPE DIMENSIONS							REEL DIMENSIONS				QUANTITY/ REEL
		K0	D	E	W	P	P0	P2	A	B	C	D	
SCD0301	2	1.40	1.55	1.75	12	8	4	2	178	60	13	13.2	1,000
SCD03011	1	1.40	1.50	1.75	12	8	4	2	330	100	13	13.4	3,000
SCD03015	1	1.80	1.55	1.75	12	8	4	2	330	100	13	13.4	3,000
SCD03021	1	2.50	1.55	1.75	12	8	4	2	330	100	13	13.4	3,000
SCD0403	1	3.55	1.55	1.75	12	8	4	2	330	100	13	13.4	2,000
SCD0501	1	2.35	1.55	1.75	12	8	4	2	330	100	13	13.4	2,000
SCD0502	1	3.30	1.50	1.75	16	8	4	2	330	100	13	17.4	2,000
SCD0503	1	3.30	1.50	1.75	16	8	4	2	330	100	13	17.4	2,000
SCD0504	1	4.80	1.55	1.75	16	8	4	2	330	100	13	17.4	1,500
SCD0506	1	6.40	1.55	1.75	16	8	4	2	330	100	13	17.4	1,500
SCD0703	1	3.80	1.55	1.75	16	12	4	2	330	100	13	17.4	1,000
SCD0705	1	5.20	1.55	1.75	16	12	4	2	330	100	13	17.4	700
SCD0706	1	6.40	1.55	1.75	16	12	4	2	330	100	13	17.4	700
SCD1004	1	4.50	1.55	1.75	24	12	4	2	330	100	13	24.4	700
SCD1005	1	5.80	1.55	1.75	24	12	4	2	330	100	13	24.4	700
SCD1006	1	7.00	1.55	1.75	24	12	4	2	330	100	13	24.4	700