PRODUCT IDENTIFICATION

S	C	B	–	1	2	0	5	–	1	0	1	M	–	N	P
		1			2		3			4		5			6

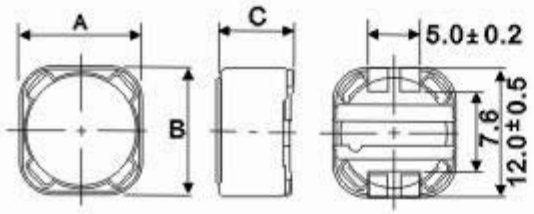
1.PRODUCT SYMBOL
2.OUTSIDE DIA : mm
3.BODY HEIGHT : mm
4.INDUCTANCE : μH
5.TOLERANCE : K±10% , L±15% , M±20%
6.Meet ROHS Regulations of Prohibiped 6 Poisonous Materials

FEATURE

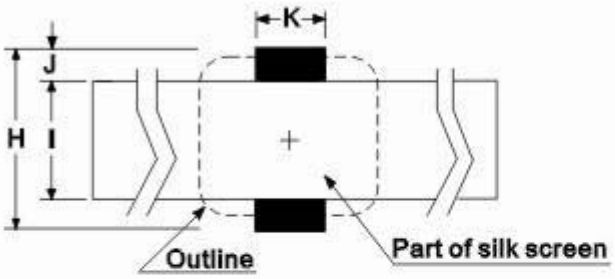
- **SCB0603,1204,1205,1207**
  This indicates the value of current. When the inductances is 10% lower than its initial value at DC superposition or DC.current when at⊿t =40℃ Whichever is lower. (Ta=25℃)

- **SCB0703 SCB0704**
  This indicates the value of current when the inductances is 75% more than its nominal value temperature rising ⊿t=40℃ lower at DC superposition.

SHAPES & DIMENSION FOR SCB SERIES (mm)



RECOMMENDED PATTERN (mm)



TYPE	A	B	C	H	I	J	K
SCB0603	6.8±0.3	6.2±0.3	3.2Max.	8.0	4.8	2.0	1.5
SCB0703	7.3±0.3	7.3±0.3	3.2±0.3	8.0	4.8	2.0	2.8
SCB0704	7.3±0.3	7.3±0.3	4.6Max.	8.0	4.8	2.0	2.8
SCB1204	12±0.5	12±0.5	5.0Max.	12.8	7.0	2.9	5.4
SCB1205	12±0.5	12±0.5	6.0Max.	12.8	7.0	2.9	5.4
SCB1207	12±0.5	12±0.5	8.0Max.	12.8	7.0	2.9	5.4

ELECTRICAL SPECIFICATION

Part	Inductance	RDC(Ω)Max.						Rated DC Current(A)Max.					
		SCB	SCB	SCB	SCB	SCB	SCB	SCB	SCB	SCB	SCB	SCB	SCB
NO.	L(μH)	0603	0703	0704	1204	1205	1207	0603	0703	0704	1204	1205	1207
1R0	1.0	0.03						3					
1R2	1.2						0.007						9.80
1R5	1.5	0.032						2.2					
2R4	2.4			0.042			0.0115			3.5			8.00
2R9	2.9	0.068						1.94					
3R5	3.5						0.0135						7.50
4R0	4.0	0.080						1.63					
4R7	4.7		0.065	0.047	0.018	0.018	0.0158		2.27	2.47	5.2		6.80
5R5	5.5	0.096						1.40					
6R1	6.1						0.0176						6.60
7R6	7.6						0.0200						5.90
100	10	0.15	0.076	0.056	0.028	0.025	0.0216	1.10	1.68	1.84	4.50	4.00	5.40
120	12	0.20	0.098	0.06	0.038	0.027	0.0243	1.00	1.52	1.71	4.00	3.50	4.90
150	15	0.23	0.15	0.085	0.050	0.030	0.0270	0.90	1.33	1.47	3.20	3.30	4.50
180	18	0.27	0.17	0.10	0.057	0.030	0.0390	0.80	1.20	1.31	3.10	3.00	3.90
220	22	0.34	0.19	0.11	0.066	0.036	0.0432	0.74	1.07	1.23	2.90	2.80	3.60
270	27	0.38	0.23	0.18	0.080	0.051	0.0459	0.66	0.96	1.12	2.80	2.30	3.40
330	33	0.45	0.28	0.25	0.097	0.057	0.0648	0.59	0.91	0.96	2.70	2.10	3.00
390	39	0.49	0.34	0.26	0.132	0.068	0.0729	0.54	0.77	0.91	2.10	2.00	2.75
470	47	0.69	0.36	0.28	0.150	0.075	0.10	0.50	0.76	0.88	1.90	1.80	2.50
560	56	0.78	0.47	0.38	0.190	0.11	0.12	0.46	0.68	0.75	1.80	1.70	2.30
680	68	1.07	0.52	0.40	0.220	0.12	0.13	0.42	0.61	0.69	1.50	1.50	2.10
820	82	1.21	0.69	0.43	0.260	0.14	0.20	0.38	0.57	0.61	1.30	1.40	1.90
101	100	1.39	0.79	0.61	0.308	0.16	0.22	0.34	0.50	0.60	1.20	1.30	1.70
121	120	1.90	0.89	0.66	0.380	0.17	0.25	0.31	0.49	0.52	1.10	1.10	1.45
151	150	2.18	1.27	0.88	0.530	0.23	0.30	0.28	0.43	0.46	0.95	1.00	1.37
181	180	2.77	1.45	0.98	0.620	0.29	0.35	0.26	0.39	0.42	0.85	0.90	1.30
221	220	3.20	1.65	1.17	0.700	0.40	0.40	0.23	0.35	0.36	0.80	0.80	1.20
271	270	4.38	2.31	1.64	0.870	0.46		0.22	0.32	0.34	0.60	0.75	
331	330	4.94	2.62	1.86	0.990	0.51	0.55	0.19	0.28	0.32	0.50	0.68	1.00
391	390		2.94	2.85		0.69	0.58		0.26	0.29		0.65	0.80
471	470	5.00	4.18	3.01		0.77		0.16	0.24	0.26		0.58	
561	560	5.23	4.67	3.62		0.86		0.15	0.22	0.23		0.54	
681	680		5.73	4.63		1.20			0.19	0.22		0.48	
821	820		6.54	5.20		1.34			0.18	0.20		0.43	
102	1000		9.44	6.00		1.53			0.16	0.18		0.40	