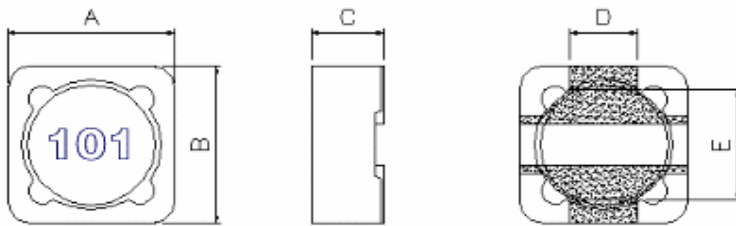




# Chilisin Electronics Singapore Pte Ltd

## SMD Shielded Power Chokes, SCB Series

### CONFIGURATION & DIMENSIONS



TYPE	A	B	C	D	E
SCB1204 Series	12.0±0.5	12.0±0.5	4.5±0.5	5.0±0.2	7.6±0.2
SCB1205 Series	12.0±0.5	12.0±0.5	6.0±0.5	5.0±0.2	7.6±0.2
SCB1207 Series	12.0±0.5	12.0±0.5	8.0±0.5	5.0±0.2	7.6±0.2

### GENERAL SPECIFICATIONS

1. Temperature Rise : 40°C Max
2. Rated Current : Base on Temp. rise &  $\Delta L/L(0A) = 10\%$  max.
3. Storage Temperature : -25°C to +85°C
4. Resistance to Solder Heat : 260°C, 10 Sec.

### MATERIALS

1. Core : Ferrite Core.
2. Wire : Enamelled Copper wire.
3. Terminal : Cu + Sn/Pb.

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# Chilisin Electronics Singapore Pte Ltd

SMD Shielded Power Chokes, SCB Series

SCB-1204 Series

## Electrical Characteristics

Part No.	Inductance (uH)	Test Frequency. (KHz)	DC Resistance (Ω) Max.	Rated Current (A) Min
SCB1204-3R9	3.9	100	0.015	6.50
SCB1204-4R7	4.7	100	0.018	5.70
SCB1204-6R8	6.8	100	0.023	4.90
SCB1204-8R2	8.2	100	0.026	4.60
SCB1204-100	10	100	0.028	4.50
SCB1204-120	12	100	0.038	4.00
SCB1204-150	15	100	0.050	3.20
SCB1204-180	18	100	0.057	3.10
SCB1204-220	22	100	0.066	2.90
SCB1204-270	27	100	0.080	2.80
SCB1204-330	33	100	0.097	2.70
SCB1204-390	39	100	0.132	2.10
SCB1204-470	47	100	0.160	1.90
SCB1204-560	56	100	0.190	1.80
SCB1204-680	68	100	0.220	1.50
SCB1204-820	82	100	0.260	1.30
SCB1204-101	100	100	0.308	1.20
SCB1204-121	120	100	0.380	1.10
SCB1204-151	150	100	0.530	0.95
SCB1204-181	180	100	0.620	0.85
SCB1204-221	220	100	0.700	0.80
SCB1204-271	270	100	0.870	0.60
SCB1204-331	330	100	0.990	0.50

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# Chilisin Electronics Singapore Pte Ltd

SMD Shielded Power Chokes, SCB Series

SCB-1205 Series

## Electrical Characteristics

Part No.	Inductance (uH)	Test Frequency. (KHz)	DC Resistance (Ω) Max.	Rated Current (A) Min
SCB1205-100	10	1	0.025	4.00
SCB1205-120	12	1	0.027	3.50
SCB1205-150	15	1	0.030	3.30
SCB1205-180	18	1	0.034	3.00
SCB1205-220	22	1	0.036	2.80
SCB1205-270	27	1	0.051	2.30
SCB1205-330	33	1	0.057	2.10
SCB1205-390	39	1	0.068	2.00
SCB1205-470	47	1	0.075	1.80
SCB1205-560	56	1	0.110	1.70
SCB1205-680	68	1	0.120	1.50
SCB1205-820	82	1	0.140	1.40
SCB1205-101	100	1	0.160	1.30
SCB1205-121	120	1	0.170	1.10
SCB1205-151	150	1	0.230	1.00
SCB1205-181	180	1	0.290	0.90
SCB1205-221	220	1	0.400	0.80
SCB1205-271	270	1	0.460	0.75
SCB1205-331	330	1	0.510	0.68
SCB1205-391	390	1	0.690	0.65
SCB1205-471	470	1	0.770	0.58
SCB1205-561	560	1	0.860	0.54
SCB1205-681	680	1	1.200	0.48
SCB1205-821	820	1	1.340	0.43
SCB1205-102	1000	1	1.530	0.40

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# Chilisin Electronics Singapore Pte Ltd

SMD Shielded Power Chokes, SCB Series

SCB-1207 Series (P1-2)

## Electrical Characteristics

Part No.	Inductance (uH)	Test Frequency. (KHz)	DC Resistance (mΩ) Max.	Rated Current (A) Min
SCB1207-1R2	1.2	100	7.0	9.80
SCB1207-2R4	2.4	100	11.5	8.00
SCB1207-3R5	3.5	100	13.5	7.50
SCB1207-4R7	4.7	100	15.8	6.80
SCB1207-6R1	6.1	100	17.6	6.60
SCB1207-7R6	7.6	100	20.0	5.90
SCB1207-100	10	1	21.6	5.40
SCB1207-120	12	1	24.3	4.90
SCB1207-150	15	1	27.0	4.50
SCB1207-180	18	1	39.2	3.90
SCB1207-220	22	1	43.2	3.60
SCB1207-270	27	1	45.9	3.40
SCB1207-330	33	1	64.8	3.00
SCB1207-390	39	1	72.9	2.75
SCB1207-470	47	1	100.0	2.50
SCB1207-560	56	1	110.0	2.35
SCB1207-680	68	1	140.0	2.10

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# Chilisin Electronics Singapore Pte Ltd

SMD Shielded Power Chokes, SCB Series

SCB-1207 Series (P2-2)

## Electrical Characteristics

Part No.	Inductance (uH)	Test Frequency. (KHz)	DC Resistance (mΩ) Max.	Rated Current (A) Min
SCB1207-820	82	1	160.0	1.95
SCB1207-101	100	1	220.0	1.70
SCB1207-121	120	1	250.0	1.60
SCB1207-151	150	1	280.0	1.42
SCB1207-181	180	1	350.0	1.30
SCB1207-221	220	1	390.0	1.16
SCB1207-271	270	1	560.0	1.06
SCB1207-331	330	1	640.0	0.95
SCB1207-391	390	1	700.0	0.88
SCB1207-471	470	1	980.0	0.79
SCB1207-561	560	1	1070.0	0.73
SCB1207-681	680	1	1460.0	0.67
SCB1207-821	820	1	1640.0	0.60
SCB1207-102	1000	1	1820.0	0.55

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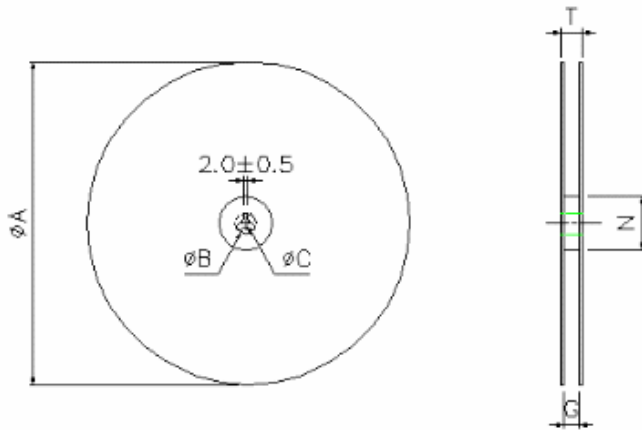
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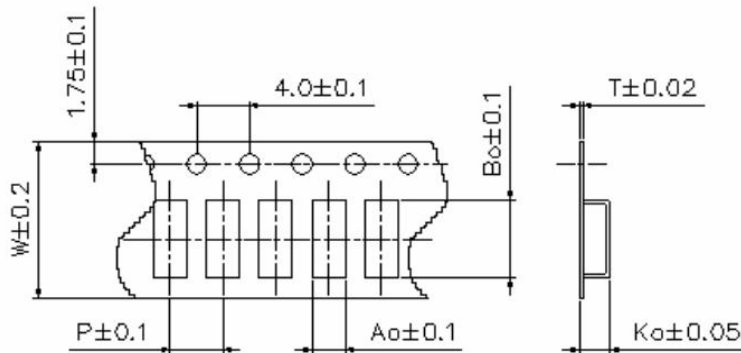
# Chilisin Electronics Singapore Pte Ltd

## SMD Shielded Power Chokes, SCB Series

### PACKAGING SPECIFICATION



Style	A	B	C	G	N	T
SCB1204	330	21	13	24.4	100	30.4
SCB1205	330	21	13	24.4	100	30.4
SCB1207	330	21	13	24.4	100	30.4



Series	W	P	A <sub>0</sub>	B <sub>0</sub>	K <sub>0</sub>	T	Minmum Quantity	
							7" Reel	13" Reel
SCB1204 Series	24	16	12.55	12.55	5.05	0.35	-	500
SCB1205 Series	24	16	12.55	12.55	6.10	0.35	-	500
SCB1207 Series	24	16	12.55	12.55	8.10	0.35	-	500

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