Shielded Construction - SMT / SCC Series

Feature

1. Excellent soldeability and heat resistance.
2. Excellent terminal strength.
3. Packed in embossed carrier tape and can be used by automatic mounting machine.
5. Available in various sizes.
4. Easy to customized.

Application

Power supply for VCR, OA equipment, LCD TV, Notebook PC, DC/DC Conterver, DC/AC Inverter.

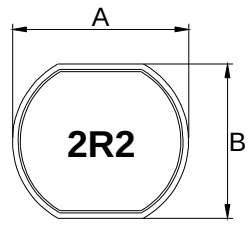
Product Identification

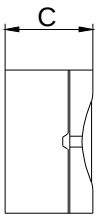
SCC0603 - 2R2

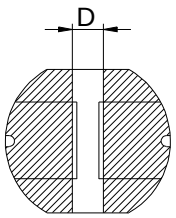
1 **2**

1. Series name.
2. Inductance. (See Details)

Configurations & Dimensions



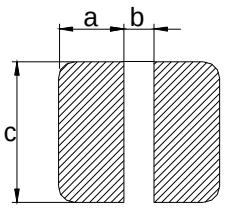




Series Name	A	B		C	D
SCC 0603	6.5(MAX)	5.9(MAX)		3.5(MAX)	1.7(REF)
SCC 0704	8.3(MAX)	7.5(MAX)		4.9(MAX)	1.9(REF)
SCC 1005	10.5(MAX)	9.5(MAX)		5.5(MAX)	2.5(REF)
SCC 1205	13.1(MAX)	12.1(MAX)		5.9(MAX)	3.0(REF)

Series Name	a	b	c
SCC 0603	2.25(REF)	1.7(REF)	5.5(REF)
SCC 0704	4.0(REF)	2.0(REF)	7.5(REF)
SCC 1005	5.0(REF)	2.5(REF)	9.5(REF)
SCC 1205	6.0(REF)	3.0(REF)	12.0(REF)

Unit: mm



PCB Pattern

■ Electrical Characteristics / SCC 0603

Part Number	Inductance (μH)	Test Condition (Volt / Hz)	DC Resistance Max. (mΩ)	Rated Current Max. (mA)
SCC 0603-100 ___	10.0	1.0 / 2.52M	140	1000
SCC 0603-120 ___	12.0	1.0 / 2.52M	160	940
SCC 0603-150 ___	15.0	1.0 / 2.52M	180	860
SCC 0603-180 ___	18.0	1.0 / 2.52M	250	780
SCC 0603-220 ___	22.0	1.0 / 2.52M	320	760
SCC 0603-270 ___	27.0	1.0 / 2.52M	360	640
SCC 0603-330 ___	33.0	1.0 / 2.52M	410	610
SCC 0603-390 ___	39.0	1.0 / 2.52M	470	530
SCC 0603-470 ___	47.0	1.0 / 2.52M	510	500
SCC 0603-560 ___	56.0	1.0 / 2.52M	720	460
SCC 0603-680 ___	68.0	1.0 / 2.52M	820	420

■ Electrical Characteristics / SCC 0704

Part Number	Inductance (μH)	Test Condition (Volt / Hz)	DC Resistance Max. (mΩ)	Rated Current Max. (mA)
SCC 0704-100 ___	10.0	1.0 / 100K	70	1650
SCC 0704-120 ___	12.0	1.0 / 100K	70	1570
SCC 0704-150 ___	15.0	1.0 / 100K	80	1390
SCC 0704-180 ___	18.0	1.0 / 100K	100	1290
SCC 0704-220 ___	22.0	1.0 / 100K	130	1120
SCC 0704-270 ___	27.0	1.0 / 100K	160	1060
SCC 0704-330 ___	33.0	1.0 / 100K	180	970
SCC 0704-390 ___	39.0	1.0 / 100K	180	910
SCC 0704-470 ___	47.0	1.0 / 100K	270	800
SCC 0704-560 ___	56.0	1.0 / 100K	290	760
SCC 0704-680 ___	68.0	1.0 / 100K	330	680
SCC 0704-820 ___	82.0	1.0 / 100K	430	620
SCC 0704-101 ___	100.0	1.0 / 100K	490	550
SCC 0704-121 ___	120.0	1.0 / 100K	680	490
SCC 0704-151 ___	150.0	1.0 / 100K	940	440
SCC 0704-181 ___	180.0	1.0 / 100K	1000	400
SCC 0704-221 ___	220.0	1.0 / 100K	1180	360
SCC 0704-271 ___	270.0	1.0 / 100K	1300	330

※ Rated current that will cause initial inductance value approximately 10% rolloff or temperature rise approximate 40℃ without core loss.

■ Electrical Characteristics / SCC 1005

Part Number	Inductance (μH)	Test Condition (Volt / Hz)	DC Resistance Max. (mΩ)	Rated Current Max. (mA)
SCC 1005-100 ___	10.0	1.0 / 100K	60	2060
SCC 1005-120 ___	12.0	1.0 / 100K	70	1940
SCC 1005-150 ___	15.0	1.0 / 100K	70	1720
SCC 1005-180 ___	18.0	1.0 / 100K	80	1,580
SCC 1005-220 ___	22.0	1.0 / 100K	80	1,420
SCC 1005-270 ___	27.0	1.0 / 100K	100	1,320
SCC 1005-330 ___	33.0	1.0 / 100K	110	1,160
SCC 1005-390 ___	39.0	1.0 / 100K	120	1,100
SCC 1005-470 ___	47.0	1.0 / 100K	140	1,000
SCC 1005-560 ___	56.0	1.0 / 100K	190	930
SCC 1005-680 ___	68.0	1.0 / 100K	210	850
SCC 1005-820 ___	82.0	1.0 / 100K	280	790
SCC 1005-101 ___	100.0	1.0 / 100K	340	720
SCC 1005-121 ___	120.0	1.0 / 100K	370	630
SCC 1005-151 ___	150.0	1.0 / 100K	510	550
SCC 1005-181 ___	180.0	1.0 / 100K	570	500
SCC 1005-221 ___	220.0	1.0 / 100K	780	470
SCC 1005-271 ___	270.0	1.0 / 100K	870	410
SCC 1005-331 ___	330.0	1.0 / 100K	1200	370
SCC 1005-391 ___	390.0	1.0 / 100K	1340	350
SCC 1005-471 ___	470.0	1.0 / 100K	1500	330

※ Rated current that will cause initial inductance value approximately 10% rolloff or temperature rise approximate 40℃ without core loss.

■ Electrical Characteristics / SCC 1205

Part Number	Inductance (μH)	Test Condition (Volt / Hz)	DC Resistance Max. (mΩ)	Rated Current Max. (mA)
SCC 1205-100 ___	10.0	1.0 / 100K	50	2,650
SCC 1205-120 ___	12.0	1.0 / 100K	50	2,500
SCC 1205-150 ___	15.0	1.0 / 100K	60	2,450
SCC 1205-180 ___	18.0	1.0 / 100K	60	2,400
SCC 1205-220 ___	22.0	1.0 / 100K	70	2,200
SCC 1205-270 ___	27.0	1.0 / 100K	80	2,000
SCC 1205-330 ___	33.0	1.0 / 100K	100	1,800
SCC 1205-390 ___	39.0	1.0 / 100K	110	1,650
SCC 1205-470 ___	47.0	1.0 / 100K	120	1,500
SCC 1205-560 ___	56.0	1.0 / 100K	150	1,380
SCC 1205-680 ___	68.0	1.0 / 100K	170	1,260
SCC 1205-820 ___	82.0	1.0 / 100K	200	1,140
SCC 1205-101 ___	100.0	1.0 / 100K	250	1,050
SCC 1205-121 ___	120.0	1.0 / 100K	280	950
SCC 1205-151 ___	150.0	1.0 / 100K	400	850
SCC 1205-181 ___	180.0	1.0 / 100K	480	770
SCC 1205-221 ___	220.0	1.0 / 100K	520	700
SCC 1205-271 ___	270.0	1.0 / 100K	700	630
SCC 1205-331 ___	330.0	1.0 / 100K	800	570
SCC 1205-391 ___	390.0	1.0 / 100K	1,080	520
SCC 1205-471 ___	470.0	1.0 / 100K	1,200	480
SCC 1205-561 ___	560.0	1.0 / 100K	1,340	440
SCC 1205-681 ___	680.0	1.0 / 100K	1,780	400
SCC 1205-821 ___	820.0	1.0 / 100K	2,000	360

※ Rated current that will cause initial inductance value approximately 10% rolloff or temperature rise approximate 40℃ without core loss.