

Type:SMCL0603

◆ Product Description

- 0.65×0.35mm Max.(L×W),0.35mm Max. Height.
- DCR Range: 0.15~4.3 (Ω)
- In addition to the standards versions shown here,
- custom inductors are also available to meet your exact requirements.

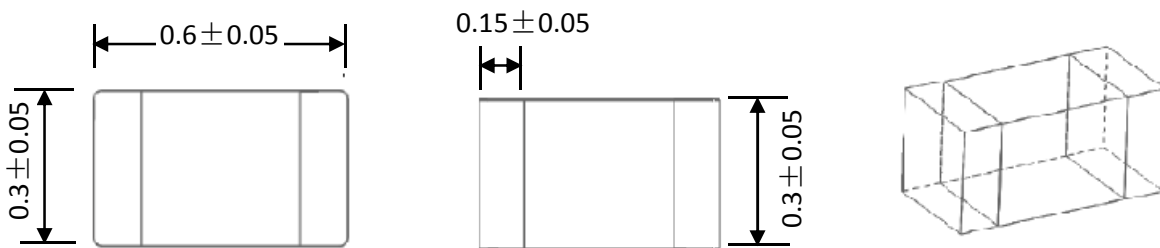
◆ Feature

- Monolithic structure for high reliability
- High self-resonant frequency
- Excellent solderability and high heat resistance

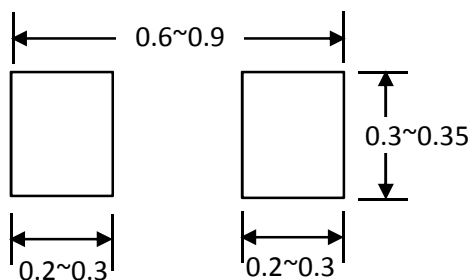
◆ Application

- RF circuit in telecommunication and other equipments

◆ Dimensions (mm)



◆ Land Pattern (mm)

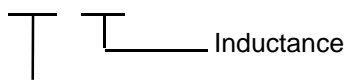


Type:SMCL0603
◆ Specification

Suntek Part Number	System Code	Inductance (nH)	Min. Quality Factor	L,Q Test Freq.	Typical Q @Freq.(MHz)						S.R.F (MHz)	DCR (Ω)	I _r (mA) Max.	Thickness (mm)
					100	300	500	800	1000	1800				
SMCL0603C1N0S		1.0±0.3	4	100	5	8	12	16	18	23	>6000	0.15	550	0.3±0.05
SMCL0603C1N1S		1.1±0.3	4	100	5	8	11	15	17	22	>6000	0.15	550	
SMCL0603C1N2S		1.2±0.3	4	100	5	8	11	14	16	21	>6000	0.16	550	
SMCL0603C1N3S		1.3±0.3	4	100	5	8	11	14	16	21	>6000	0.16	550	
SMCL0603C1N5S		1.5±0.3	4.5	100	5	8	11	14	16	21	>6000	0.20	500	
SMCL0603C1N6S		1.6±0.3	4.5	100	5	8	11	14	16	20	>6000	0.22	440	
SMCL0603C1N8S		1.8±0.3	4.5	100	5	8	11	15	17	21	>6000	0.25	420	
SMCL0603C2N0S		2.0±0.3	4.5	100	5	9	11	15	17	21	>6000	0.25	400	
SMCL0603C2N2S		2.2±0.3	4.5	100	5	9	12	16	18	22	>6000	0.26	400	
SMCL0603C2N4S		2.4±0.3	4.5	100	5	9	12	16	18	22	>6000	0.26	380	
SMCL0603C2N7S		2.7±0.3	4.5	100	5	9	12	16	18	22	>6000	0.28	350	
SMCL0603C3N0S		3.0±0.3	4.5	100	5	9	12	16	18	22	6000	0.32	300	
SMCL0603C3N3S		3.3±0.3	4.5	100	5	10	13	17	19	23	5800	0.35	300	
SMCL0603C3N6S		3.6±0.3	4.5	100	5	10	13	17	19	23	5500	0.35	300	
SMCL0603C3N9S		3.9±0.3	4.5	100	5	9	12	16	18	22	5200	0.40	280	
SMCL0603C4N3S		4.3±0.3	4.5	100	5	9	12	16	18	22	4800	0.40	280	
SMCL0603C4N7S		4.7±0.3	4.5	100	5	9	12	15	17	21	4600	0.45	250	
SMCL0603C5N1S		5.1±0.3	5	100	6	10	13	17	19	22	4500	0.45	250	
SMCL0603C5N6S		5.6±0.3	5	100	6	10	13	17	19	21	4200	0.48	250	
SMCL0603C6N2S		6.2±0.3	5	100	6	10	12	16	18	20	4000	0.50	250	
SMCL0603C6N8□		6.8	5	100	6	10	12	16	18	20	3800	0.55	240	
SMCL0603C7N5□		7.5	5	100	6	10	12	16	18	20	3500	0.65	220	
SMCL0603C8N2□		8.2	5	100	6	10	12	16	18	20	3300	0.70	200	
SMCL0603C9N1□		9.1	5	100	6	10	12	16	18	20	3200	0.80	180	
SMCL0603C10N□		10	5	100	6	10	13	16	18	19	3000	0.85	180	
SMCL0603C12N□		12	5	100	6	10	13	16	18	18	2500	1.00	180	
SMCL0603C15N□		15	5	100	6	12	15	19	21	18	2200	1.30	160	
SMCL0603C18N□		18	6	100	7	12	15	19	20	17	2000	1.40	150	
SMCL0603C22N□		22	6	100	7	13	15	19	20	15	1800	1.50	140	
SMCL0603C27N□		27	6	100	7	13	15	19	20	13	1700	1.60	120	
SMCL0603C33N□		33	6	100	7	10	12	14	15	9	1600	2.20	80	
SMCL0603C39N□		39	6	100	7	10	12	14	14	8	1500	2.30	80	
SMCL0603C47N□		47	6	100	7	10	12	13	13	5	1400	2.60	80	
SMCL0603C56N□		56	6	100	7	10	12	12	11	-	1200	3.00	50	
SMCL0603C68N□		68	6	100	7	10	12	11	10	-	1200	3.20	50	
SMCL0603C82N□		82	6	100	7	10	12	11	9	-	1000	3.50	50	
SMCL0603CR10□		100	6	100	7	10	11	9	5	-	1000	4.30	50	

※ Description of Part Name

SMCL0603C1N0S



Note:

1. Operating Temperature is -55°C ~ +125°C.
2. Please specify the inductance tolerance code (S=±0.3nH, J=±5%, K=10%). The product with tolerance less than ±5%, ±10% is also available.

Please refer to the sales offices on our website for a representative near you