

Type:MSMCL0603

◆ Product Description

- 0.65×0.35mm Max.(L×W),0.35mm Max. Height.
- DCR Range: 0.1~3.8 (Ω)
- In addition to the standards versions shown here,
- custom inductors are also available to meet your exact requirements.

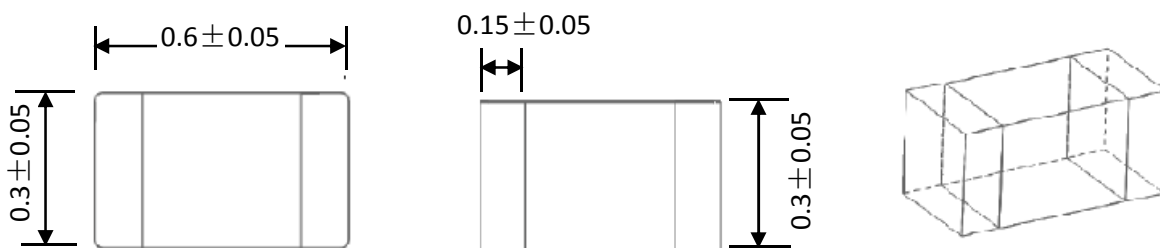
◆ Feature

- Monolithic structure for high reliability
- High self-resonant frequency
- Excellent solderability and high heat resistance
- Lower DC resistance and larger rated current

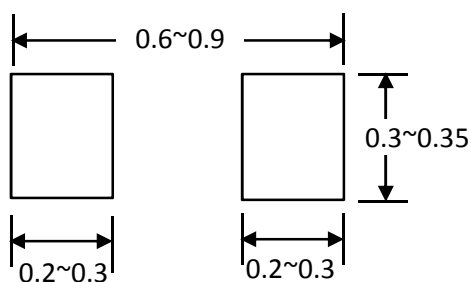
◆ Application

- RF circuit in telecommunication and other equipments

◆ Dimensions (mm)



◆ Land Pattern (mm)



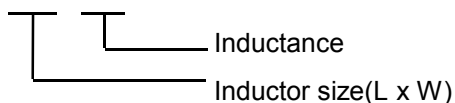
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◆ Specification

Suntek Part Number	System Code	Inductance (nH)	Min. Quality Factor	L,Q Test Freq.	Typical Q @Freq.(MHz)						S.R.F (MHz)	DCR (Ω)	Ir (mA) Max.	Thickness (mm)
					100	300	500	800	1000	1800				
MSMCL0603C1N0S		1.0±0.3	3	100	4	8	11	14	16	21	>6000	0.10	600	0.3±0.05
MSMCL0603C1N1S		1.1±0.3	3	100	4	8	11	15	17	22	>6000	0.12	600	
MSMCL0603C1N2S		1.2±0.3	3	100	4	9	12	16	18	22	>6000	0.13	550	
MSMCL0603C1N3S		1.3±0.3	3	100	4	9	12	16	18	23	>6000	0.14	550	
MSMCL0603C1N5S		1.5±0.3	4	100	5	9	13	17	19	24	>6000	0.15	550	
MSMCL0603C1N6S		1.6±0.3	4	100	5	9	12	16	18	23	>6000	0.16	550	
MSMCL0603C1N8S		1.8±0.3	4	100	5	9	12	15	17	22	>6000	0.16	550	
MSMCL0603C2N0S		2.0±0.3	4.5	100	5	9	12	15	17	21	>6000	0.20	500	
MSMCL0603C2N2S		2.2±0.3	4.5	100	5	9	12	15	17	21	>6000	0.22	440	
MSMCL0603C2N4S		2.4±0.3	4.5	100	5	10	12	16	18	22	>6000	0.25	420	
MSMCL0603C2N7S		2.7±0.3	4.5	100	5	10	13	17	19	23	>6000	0.25	400	
MSMCL0603C3N0S		3.0±0.3	4.5	100	5	10	13	17	19	23	>6000	0.28	350	
MSMCL0603C3N3S		3.3±0.3	4.5	100	5	10	13	17	19	23	>6000	0.30	300	
MSMCL0603C3N6S		3.6±0.3	4.5	100	5	10	13	17	19	23	6000	0.35	300	
MSMCL0603C3N9S		3.9±0.3	4.5	100	5	11	14	18	20	24	6000	0.35	300	
MSMCL0603C4N3S		4.3±0.3	4.5	100	5	9	12	15	17	20	5500	0.40	280	
MSMCL0603C4N7S		4.7±0.3	4.5	100	5	9	12	15	17	20	5300	0.40	280	
MSMCL0603C5N1S		5.1±0.3	4.5	100	5	10	13	16	18	22	4800	0.45	250	
MSMCL0603C5N6S		5.6±0.3	5	100	6	11	14	18	20	23	4600	0.45	250	
MSMCL0603C6N2S		6.2±0.3	5	100	6	11	14	18	20	21	4200	0.50	250	
MSMCL0603C6N8□		6.8	5	100	6	11	13	17	19	21	3900	0.50	250	
MSMCL0603C7N5□		7.5	5	100	6	11	13	17	19	21	3600	0.60	230	
MSMCL0603C8N2□		8.2	5	100	6	11	13	17	19	21	3400	0.60	230	
MSMCL0603C9N1□		9.1	5	100	6	11	14	17	19	20	3300	0.70	200	
MSMCL0603C10N□		10	5	100	6	11	14	17	19	20	3200	0.70	200	
MSMCL0603C12N□		12	5	100	6	11	14	17	19	19	2800	0.85	180	
MSMCL0603C15N□		15	5	100	6	13	16	20	22	19	2300	1.00	180	
MSMCL0603C18N□		18	6	100	7	14	16	20	21	18	2200	1.30	160	
MSMCL0603C22N□		22	6	100	7	14	16	20	21	16	2000	1.40	150	
MSMCL0603C27N□		27	6	100	7	14	16	20	21	14	1800	1.50	140	
MSMCL0603C33N□		33	6	100	7	11	13	15	16	10	1600	1.80	100	
MSMCL0603C39N□		39	6	100	7	11	13	15	15	8	1500	2.00	80	
MSMCL0603C47N□		47	6	100	7	11	13	14	14	5	1400	2.20	80	
MSMCL0603C56N□		56	6	100	7	11	13	13	12	-	1200	2.40	80	
MSMCL0603C68N□		68	6	100	7	11	13	12	10	-	1200	2.80	80	
MSMCL0603C82N□		82	6	0.7	7	11	13	12	10	-	1000	3.30	50	
MSMCL0603CR10N□		100	6	1	7	11	12	10	6	-	1000	3.80	50	

✳Description of Part Name

MSMCL0603C1N0S



Note:

1. Operating Temperature is -55℃~+125℃.
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.