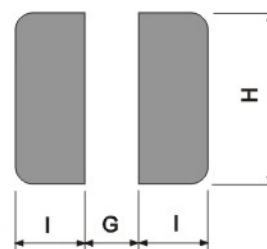
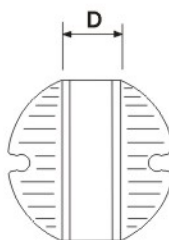
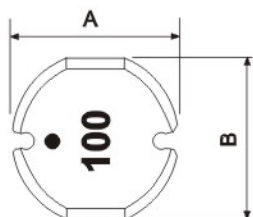




SMD Power Inductor

SR3015-L/SR0302-L/SR0403-L/SR05□□-L Series

I. Configuration & Dimensions : (m/m)



(PCB Pattern)

■ Features

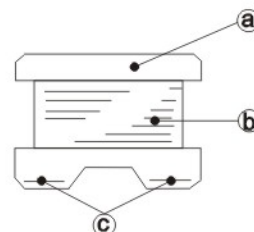
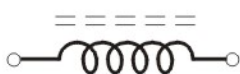
- Excellent solderability and high heat resistance
- Excellent terminal strength construction
- Packed in embossed carrier tape and can be used
- by automatic mounting machine

■ Applications

- Power supply for VCR, OA equipment, LCD television set, notebook, DC to DC converters, DC to AC inverters etc.

Series	A	B	C	D	G (ref.)	H (ref.)	I (ref.)
SR3015-L	3.00 $\pm$ 0.20	2.80 $\pm$ 0.20	1.50 $\pm$ 0.20	0.90 typ.	0.80	3.00	1.40
SR0302-L	3.00 $\pm$ 0.30	2.80 $\pm$ 0.30	2.50 $\pm$ 0.30	0.90 typ.	0.80	3.00	1.40
SR0403-L	4.50 $\pm$ 0.30	4.00 $\pm$ 0.30	3.20 $\pm$ 0.30	1.50 typ.	1.50	4.50	1.80
SR0502-L	5.00 $\pm$ 0.30	4.50 $\pm$ 0.30	2.00 $\pm$ 0.15	2.00 typ.	1.90	5.00	1.80
SR0503-L	5.00 $\pm$ 0.30	4.50 $\pm$ 0.30	3.00 $\pm$ 0.30	2.00 typ.	1.90	5.00	1.80

II. Schematic Diagram :

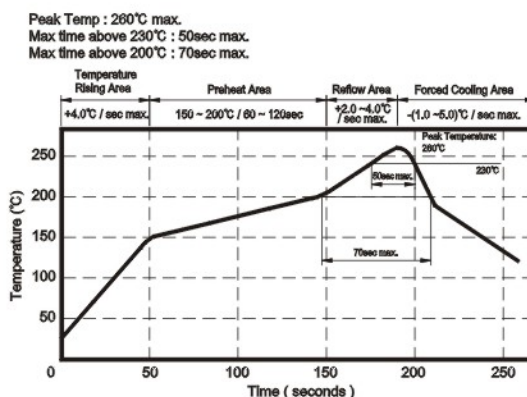


III. Materials :

- Core : Ferrite DR core
- Wire : Enamelled copper wire
- Terminal : Ag/Ni/Sn
- Remark : Products comply with RoHS' requirements

IV. General Specification :

- Storage temp. : -40°C --- +125°C
- Operating temp. : -40°C --- +105°C
- Resistance to solder heat : 260°C, 10 secs.

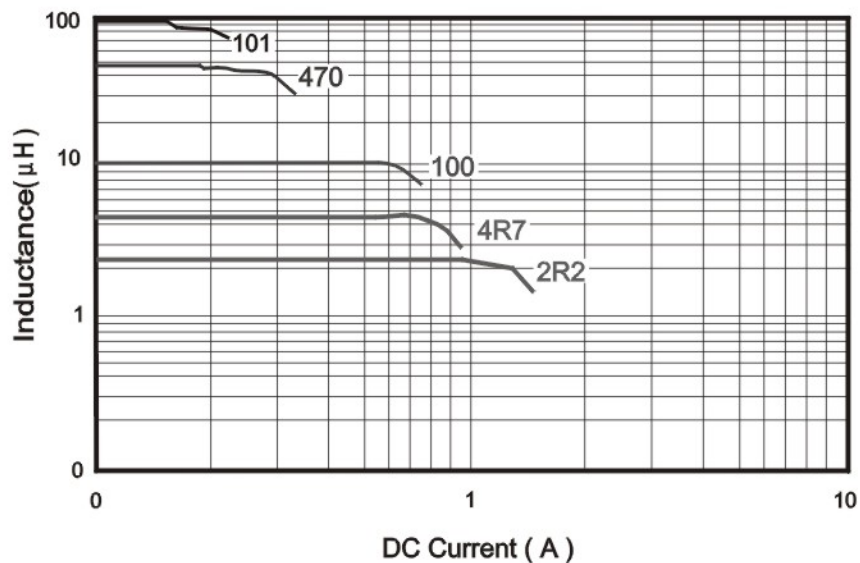


V. Electrical Characteristics & Curve : • SR3015-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.		SRF (MHz) typ.	RDC (Ω)		Isat (mA) typ.	Irms (mA) max.
			$\frac{L}{(Hz)0.1V}$	$\frac{Q}{(MHz)}$		typ.	max.		
SR3015 2R2ML  - 	2.2 $\pm$ 20%	12	100K	7.960	100	0.095	0.125	1000	1200
4R7ML  - 	4.7 $\pm$ 20%	10	100K	7.960	80	0.165	0.215	700	1000
100ML  - 	10.0 $\pm$ 20%	12	100K	2.520	55	0.360	0.450	500	650
150ML  - 	15.0 $\pm$ 20%	15	100K	2.520	40	0.540	0.675	400	500
220ML  - 	22.0 $\pm$ 20%	20	100K	2.520	35	0.850	1.060	330	420
330KL  - 	33.0 $\pm$ 10%	20	100K	2.520	28	1.150	1.430	270	350
470KL  - 	47.0 $\pm$ 10%	15	100K	2.520	23	1.550	1.950	220	300
680KL  - 	68.0 $\pm$ 10%	22	100K	2.520	18	2.350	2.950	180	230
101KL  - 	100.0 $\pm$ 10%	40	100K	0.796	15	3.500	4.400	160	200

- 1).  : Packaging information •• : Bulk  : Taping reel
- 2). "--": Reference Code
- 3). Isat base on $\Delta L / L0A=10\%$ typ.
- 4). I rms base on Temp. rise 30°C max.

@ Inductance VS. DC Current curve



• SR0302-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.		SRF (MHz) typ.	RDC (Ω) max.	I _{rms} (A) $\Delta T=40^{\circ}\text{C}$ max.	I _{sat} (A) $\Delta L/L0A=10\%$ typ.
			$\frac{L}{(Hz)/0.1V}$	$\frac{Q}{(MHz)}$				
SR0302 1R0ML□-□□□□	1.0 $\pm$ 20%	20	100K	7.960	125.0	0.06	2.100	2.700
1R2ML□-□□□□	1.2 $\pm$ 20%	22	100K	7.960	100.0	0.07	2.000	2.500
1R5ML□-□□□□	1.5 $\pm$ 20%	23	100K	7.960	95.0	0.07	1.900	2.300
1R8ML□-□□□□	1.8 $\pm$ 20%	23	100K	7.960	85.0	0.08	1.800	2.000
2R2ML□-□□□□	2.2 $\pm$ 20%	22	100K	7.960	75.0	0.09	1.650	1.850
2R7ML□-□□□□	2.7 $\pm$ 20%	22	100K	7.960	72.0	0.10	1.500	1.700
3R3ML□-□□□□	3.3 $\pm$ 20%	23	100K	7.960	68.0	0.11	1.400	1.600
3R9ML□-□□□□	3.9 $\pm$ 20%	24	100K	7.960	50.0	0.12	1.300	1.500
4R7ML□-□□□□	4.7 $\pm$ 20%	18	100K	7.960	45.0	0.15	1.200	1.350
5R6ML□-□□□□	5.6 $\pm$ 20%	18	100K	7.960	42.0	0.16	1.100	1.300
6R8ML□-□□□□	6.8 $\pm$ 20%	18	100K	7.960	40.0	0.18	1.000	1.200
8R2ML□-□□□□	8.2 $\pm$ 20%	16	100K	7.960	35.0	0.20	0.900	1.050
100ML□-□□□□	10.0 $\pm$ 20%	18	100K	2.520	34.0	0.25	0.800	0.900
120ML□-□□□□	12.0 $\pm$ 20%	15	100K	2.520	33.0	0.28	0.750	0.850
150ML□-□□□□	15.0 $\pm$ 20%	20	100K	2.520	32.0	0.40	0.650	0.800
180ML□-□□□□	18.0 $\pm$ 20%	18	100K	2.520	28.0	0.46	0.580	0.750
220ML□-□□□□	22.0 $\pm$ 20%	23	100K	2.520	22.0	0.66	0.520	0.650
270ML□-□□□□	27.0 $\pm$ 20%	23	100K	2.520	20.0	0.75	0.480	0.550
330KL□-□□□□	33.0 $\pm$ 10%	20	100K	2.520	18.0	0.85	0.420	0.500
390KL□-□□□□	39.0 $\pm$ 10%	24	100K	2.520	18.0	1.12	0.380	0.450
470KL□-□□□□	47.0 $\pm$ 10%	23	100K	2.520	17.0	1.27	0.360	0.400
560KL□-□□□□	56.0 $\pm$ 10%	18	100K	2.520	16.0	1.45	0.340	0.350
680KL□-□□□□	68.0 $\pm$ 10%	24	100K	2.520	14.0	1.85	0.300	0.320
820KL□-□□□□	82.0 $\pm$ 10%	24	100K	2.520	12.0	2.10	0.280	0.300
101KL□-□□□□	100.0 $\pm$ 10%	40	100K	0.796	10.0	2.85	0.260	0.280
121KL□-□□□□	120.0 $\pm$ 10%	40	100K	0.796	10.0	3.20	0.220	0.250
151KL□-□□□□	150.0 $\pm$ 10%	38	100K	0.796	9.0	4.60	0.200	0.230
181KL□-□□□□	180.0 $\pm$ 10%	45	100K	0.796	8.5	5.00	0.185	0.210
221KL□-□□□□	220.0 $\pm$ 10%	40	100K	0.796	8.0	5.70	0.170	0.190
271KL□-□□□□	270.0 $\pm$ 10%	45	100K	0.796	7.0	8.60	0.150	0.170
331KL□-□□□□	330.0 $\pm$ 10%	40	100K	0.796	6.0	10.00	0.130	0.150
391KL□-□□□□	390.0 $\pm$ 10%	40	100K	0.796	5.5	10.80	0.120	0.140
471KL□-□□□□	470.0 $\pm$ 10%	42	100K	0.796	5.0	14.30	0.105	0.130
561KL□-□□□□	560.0 $\pm$ 10%	43	100K	0.796	4.8	16.00	0.095	0.120
681KL□-□□□□	680.0 $\pm$ 10%	43	100K	0.796	4.3	18.00	0.085	0.110
821KL□-□□□□	820.0 $\pm$ 10%	45	100K	0.796	4.0	22.50	0.080	0.100
102KL□-□□□□	1000.0 $\pm$ 10%	40	100K	0.252	3.2	26.00	0.070	0.090
122KL□-□□□□	1200.0 $\pm$ 10%	40	100K	0.252	3.0	30.00	0.060	0.080

1). □ : Packaging information ---[A] : Bulk [B] : Taping reel

2). "-□□□" : Reference Code

• SR0403-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(Hz)		RDC (Ω) max.	IDC (A) max.
			L	Q		
SR0403 1R0ML□-□□□□	1.0 $\pm$ 20%	28	1K	7.960M	0.033	3.800
1R4ML□-□□□□	1.4 $\pm$ 20%	28	1K	7.960M	0.038	3.300
1R8ML□-□□□□	1.8 $\pm$ 20%	28	1K	7.960M	0.042	2.910
2R2ML□-□□□□	2.2 $\pm$ 20%	28	1K	7.960M	0.047	2.600
2R7ML□-□□□□	2.7 $\pm$ 20%	28	1K	7.960M	0.052	2.430
3R3ML□-□□□□	3.3 $\pm$ 20%	28	1K	7.960M	0.058	2.150
3R9ML□-□□□□	3.9 $\pm$ 20%	28	1K	7.960M	0.076	1.980
4R7ML□-□□□□	4.7 $\pm$ 20%	28	1K	7.960M	0.094	1.700
5R6ML□-□□□□	5.6 $\pm$ 20%	28	1K	7.960M	0.101	1.600
6R8ML□-□□□□	6.8 $\pm$ 20%	28	1K	7.960M	0.117	1.410
8R2ML□-□□□□	8.2 $\pm$ 20%	28	1K	7.960M	0.132	1.260
100ML□-□□□□	10.0 $\pm$ 20%	28	1K	2.520M	0.182	1.150
120ML□-□□□□	12.0 $\pm$ 20%	28	1K	2.520M	0.210	1.050
150ML□-□□□□	15.0 $\pm$ 20%	28	1K	2.520M	0.235	0.920
180ML□-□□□□	18.0 $\pm$ 20%	25	1K	2.520M	0.338	0.840
220ML□-□□□□	22.0 $\pm$ 20%	25	1K	2.520M	0.378	0.760
270ML□-□□□□	27.0 $\pm$ 20%	20	1K	2.520M	0.522	0.710
330KL□-□□□□	33.0 $\pm$ 10%	20	1K	2.520M	0.540	0.640
390KL□-□□□□	39.0 $\pm$ 10%	20	1K	2.520M	0.587	0.590
470KL□-□□□□	47.0 $\pm$ 10%	20	1K	2.520M	0.844	0.540
560KL□-□□□□	56.0 $\pm$ 10%	20	1K	2.520M	0.937	0.500
680KL□-□□□□	68.0 $\pm$ 10%	20	1K	2.520M	1.117	0.460
820KL□-□□□□	82.0 $\pm$ 10%	25	1K	2.520M	1.270	0.420
101KL□-□□□□	100.0 $\pm$ 10%	35	1K	0.796M	1.900	0.350
121KL□-□□□□	120.0 $\pm$ 10%	50	1K	0.796M	2.200	0.320
151KL□-□□□□	150.0 $\pm$ 10%	50	1K	0.796M	3.400	0.260
181KL□-□□□□	180.0 $\pm$ 10%	50	1K	0.796M	3.900	0.240
221KL□-□□□□	220.0 $\pm$ 10%	50	1K	0.796M	4.400	0.220
271KL□-□□□□	270.0 $\pm$ 10%	45	1K	0.796M	5.000	0.200
331KL□-□□□□	330.0 $\pm$ 10%	40	1K	0.796M	6.000	0.170
391KL□-□□□□	390.0 $\pm$ 10%	40	1K	0.796M	6.400	0.150
471KL□-□□□□	470.0 $\pm$ 10%	50	1K	0.796M	7.000	0.130
561KL□-□□□□	560.0 $\pm$ 10%	50	1K	0.796M	7.800	0.120
681KL□-□□□□	680.0 $\pm$ 10%	40	1K	0.796M	8.600	0.110
821KL□-□□□□	820.0 $\pm$ 10%	38	1K	0.796M	12.000	0.100
102KL□-□□□□	1000.0 $\pm$ 10%	38	1K	0.252M	14.000	0.090

- 1). □ : Packaging information ... $\square$: Bulk $\square$: Taping reel
- 2). "-□□□": Reference Code
- 3). IDC base on Temp.rise 40°C max. & $\Delta L/L0A=10\%$ max.

• SR0502-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(Hz)		RDC (Ω) max.	I _{rms} (mA)max. Δ T=20°C	I _{sat} (mA)typ. Δ L/L0A=10%
			L	Q			
SR0502 101ML □-□□□	100.0 $\pm$ 20%	20	100K/0.1V	796K	1.50	270	265
121ML □-□□□	120.0 $\pm$ 20%	27	100K/0.1V	796K	1.70	252	245
151ML □-□□□	150.0 $\pm$ 20%	28	100K/0.1V	796K	2.20	237	232
181ML □-□□□	180.0 $\pm$ 20%	25	100K/0.1V	796K	2.50	220	215
221ML □-□□□	220.0 $\pm$ 20%	32	100K/0.1V	796K	3.20	204	200
271ML □-□□□	270.0 $\pm$ 20%	30	100K/0.1V	796K	3.90	190	182
331ML □-□□□	330.0 $\pm$ 20%	40	100K/0.1V	796K	5.00	174	165
391ML □-□□□	390.0 $\pm$ 20%	40	100K/0.1V	796K	5.40	156	148
471ML □-□□□	470.0 $\pm$ 20%	32	100K/0.1V	796K	6.50	140	130
561ML □-□□□	560.0 $\pm$ 20%	45	100K/0.1V	796K	8.80	125	120
681ML □-□□□	680.0 $\pm$ 20%	40	100K/0.1V	796K	10.50	110	105
821ML □-□□□	820.0 $\pm$ 20%	35	100K/0.1V	796K	12.00	97	95
102ML □-□□□	1000.0 $\pm$ 20%	42	100K/0.1V	252K	16.00	85	85
122ML □-□□□	1200.0 $\pm$ 20%	44	100K/0.1V	252K	18.50	76	80
152ML □-□□□	1500.0 $\pm$ 20%	40	100K/0.1V	252K	22.00	70	72
182ML □-□□□	1800.0 $\pm$ 20%	40	100K/0.1V	252K	28.50	65	68
222ML □-□□□	2200.0 $\pm$ 20%	40	100K/0.1V	252K	34.50	60	62
272ML □-□□□	2700.0 $\pm$ 20%	40	100K/0.1V	252K	40.00	53	55

1). □ : Packaging information *** $\square$: Bulk $\square$: Taping reel

2). "□□□": Reference Code

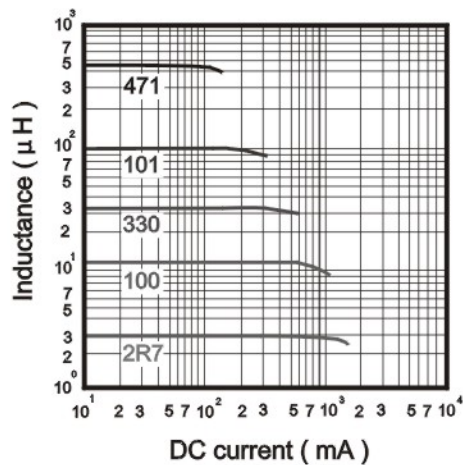
• SR0503-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR0503 R50YL□-□□□	0.5 $\pm$ 30%	28	7.96M	7.960M	40.00	0.012	4.000
1R0ML□-□□□	1.0 $\pm$ 20%	28	7.96M	7.960M	40.00	0.016	3.000
1R2ML□-□□□	1.2 $\pm$ 20%	28	7.96M	7.960M	39.00	0.020	2.800
1R8ML□-□□□	1.8 $\pm$ 20%	28	7.96M	7.960M	38.00	0.030	2.500
2R7ML□-□□□	2.7 $\pm$ 20%	28	7.96M	7.960M	38.00	0.040	2.100
3R3ML□-□□□	3.3 $\pm$ 20%	25	7.96M	7.960M	37.00	0.056	1.900
3R9ML□-□□□	3.9 $\pm$ 20%	25	7.96M	7.960M	36.00	0.062	1.850
4R7ML□-□□□	4.7 $\pm$ 20%	25	7.96M	7.960M	35.00	0.068	1.700
5R6ML□-□□□	5.6 $\pm$ 20%	25	7.96M	7.960M	34.00	0.072	1.600
6R8ML□-□□□	6.8 $\pm$ 20%	25	7.96M	7.960M	33.00	0.088	1.450
8R2ML□-□□□	8.2 $\pm$ 20%	20	7.96M	7.960M	32.00	0.099	1.350
100ML□-□□□	10.0 $\pm$ 20%	20	1K	2.520M	30.00	0.130	1.300
120ML□-□□□	12.0 $\pm$ 20%	20	1K	2.520M	29.00	0.160	1.200
150ML□-□□□	15.0 $\pm$ 20%	20	1K	2.520M	27.00	0.190	1.050
180ML□-□□□	18.0 $\pm$ 20%	20	1K	2.520M	24.00	0.210	0.950
220ML□-□□□	22.0 $\pm$ 20%	20	1K	2.520M	22.00	0.280	0.900
270ML□-□□□	27.0 $\pm$ 20%	20	1K	2.520M	20.00	0.320	0.800
330KL□-□□□	33.0 $\pm$ 10%	15	1K	2.520M	17.50	0.380	0.700
390KL□-□□□	39.0 $\pm$ 10%	15	1K	2.520M	17.00	0.420	0.650
470KL□-□□□	47.0 $\pm$ 10%	20	1K	2.520M	14.00	0.600	0.600
560KL□-□□□	56.0 $\pm$ 10%	20	1K	2.520M	13.00	0.710	0.500
680KL□-□□□	68.0 $\pm$ 10%	20	1K	2.520M	12.00	0.760	0.450
820KL□-□□□	82.0 $\pm$ 10%	15	1K	2.520M	10.00	0.880	0.420
101KL□-□□□	100.0 $\pm$ 10%	40	1K	0.796M	8.50	1.600	0.400
121KL□-□□□	120.0 $\pm$ 10%	40	1K	0.796M	8.00	1.700	0.370
151KL□-□□□	150.0 $\pm$ 10%	40	1K	0.796M	7.20	2.000	0.330
181KL□-□□□	180.0 $\pm$ 10%	40	1K	0.796M	6.90	2.300	0.300
221KL□-□□□	220.0 $\pm$ 10%	35	1K	0.796M	6.20	2.500	0.250
271KL□-□□□	270.0 $\pm$ 10%	35	1K	0.796M	5.70	2.900	0.230
331KL□-□□□	330.0 $\pm$ 10%	30	1K	0.796M	5.30	3.300	0.210
391KL□-□□□	390.0 $\pm$ 10%	30	1K	0.796M	4.90	3.700	0.190
471KL□-□□□	470.0 $\pm$ 10%	30	1K	0.796M	4.60	4.900	0.180
561KL□-□□□	560.0 $\pm$ 10%	30	1K	0.796M	4.20	5.700	0.160
681KL□-□□□	680.0 $\pm$ 10%	30	1K	0.796M	3.90	7.500	0.140
821KL□-□□□	820.0 $\pm$ 10%	40	1K	0.796M	3.30	10.000	0.120
102KL□-□□□	1000.0 $\pm$ 10%	40	1K	0.252M	3.10	11.500	0.110
122JL□-□□□	1200.0 $\pm$ 5%	40	1K	0.252M	3.00	12.000	0.063
152JL□-□□□	1500.0 $\pm$ 5%	40	1K	0.252M	2.40	13.000	0.059
182JL□-□□□	1800.0 $\pm$ 5%	40	1K	0.252M	2.20	15.000	0.055
222JL□-□□□	2200.0 $\pm$ 5%	40	1K	0.252M	2.30	22.000	0.053
272JL□-□□□	2700.0 $\pm$ 5%	40	1K	0.252M	2.10	26.000	0.050
332JL□-□□□	3300.0 $\pm$ 5%	40	1K	0.252M	1.90	38.000	0.045
392JL□-□□□	3900.0 $\pm$ 5%	40	1K	0.252M	1.50	40.000	0.042
472JL□-□□□	4700.0 $\pm$ 5%	40	1K	0.252M	1.40	48.000	0.040
562JL□-□□□	5600.0 $\pm$ 5%	40	1K	0.252M	1.30	72.000	0.038
682JL□-□□□	6800.0 $\pm$ 5%	40	1K	0.252M	1.20	80.000	0.034
822JL□-□□□	8200.0 $\pm$ 5%	40	1K	0.252M	1.00	92.000	0.030
103JL□-□□□	10000.0 $\pm$ 5%	30	1K	79.60K	0.95	110.000	0.027
123JL□-□□□	12000.0 $\pm$ 5%	30	1K	79.60K	0.85	148.000	0.025
153JL□-□□□	15000.0 $\pm$ 5%	30	1K	79.60K	0.80	168.000	0.020

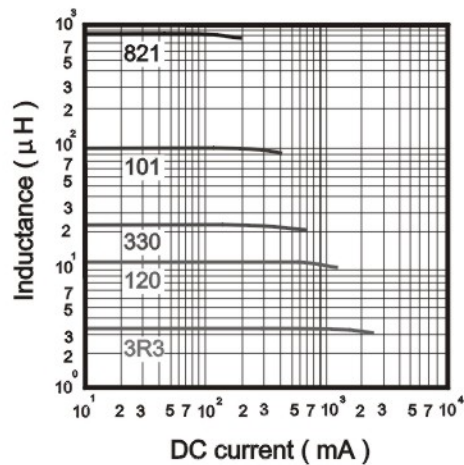
- 1). □ : Packaging information ... : Bulk  : Taping reel
- 2). "-□□□": Reference Code
- 3). IDC base on Temp. rise 40°C max. & Δ L/L0A=10% max.

VI. Inductance VS. DC Current Curve :

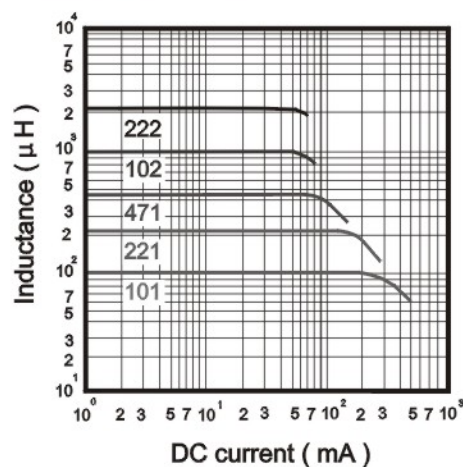
▪ SR0302-L Series



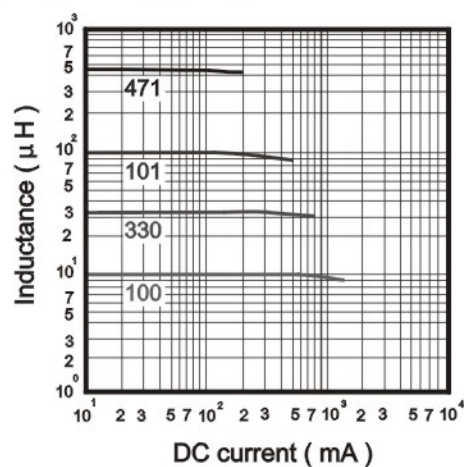
▪ SR0402-L Series



▪ SR0502-L Series



▪ SR0503-L Series

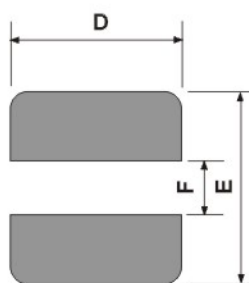
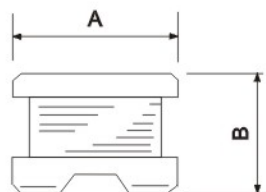
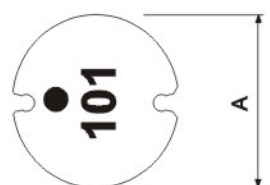




SMD Power Inductor

SR06□□-L/SR0805-L/SR10□□-L/SR1307-L Series

I. Configuration & Dimensions : (m/m)



(PCB Pattern)

■ Features

- Excellent solderability and high heat resistance
- Excellent terminal strength construction
- Packed in embossed carrier tape and can be used
- by automatic mounting machine

■ Applications

- Power supply for VCR, OA equipment, LCD television set, notebook, DC to DC converters, DC to AC inverters etc.

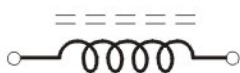
* Marking :
SR0602
SR0603
SR0604

SR0805
SR1006
SR1011
SR1307



Series	A	B	C (ref.)	D (ref.)	E (ref.)	F (ref.)
SR0602-L	5.60 $\pm$ 0.2	2.50 $\pm$ 0.3	2.30	5.80	6.00	1.70
SR0603-L	5.60 $\pm$ 0.2	3.70 $\pm$ 0.3	2.30	5.80	6.00	1.70
SR0604-L	5.60 $\pm$ 0.2	4.50 $\pm$ 0.3	2.30	5.80	6.00	1.70
SR0805-L	7.50 $\pm$ 0.3	5.00 $\pm$ 0.3	2.60	8.00	7.80	2.40
SR1006-L	9.50 $\pm$ 0.3	5.50 $\pm$ 0.3	2.90	10.00	10.00	2.80
SR1011-L	9.50 $\pm$ 0.3	11.50 $\pm$ 0.5	2.90	10.00	10.00	2.80
SR1307-L	13.00 $\pm$ 0.7	7.00 $\pm$ 0.3	5.00	14.00	14.00	4.50

II. Schematic Diagram :

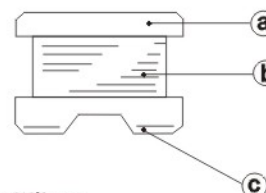


III. Materials :

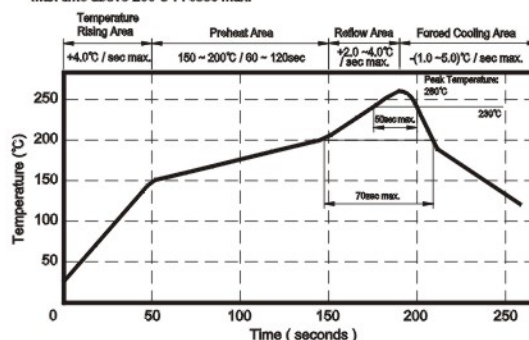
- Core : Ferrite DR core
- Wire : Enamelled copper wire
- Terminal : Ag/Ni/Sn
- Remark : Products comply with RoHS' requirements

IV. General Specification :

- Storage temp. : -40°C --- +125°C
- Operating temp. : -40°C --- +105°C
- Resistance to solder heat : 260°C, 10 secs.



Peak Temp : 260°C max.
Max time above 230°C : 50sec max.
Max time above 200°C : 70sec max.



V. Electrical Characteristics : • SR0602-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(Hz)		SRF (MHz) nom.	RDC (m Ω) max.	I _{rms} (A) max.	I _{sat} (A) typ.
			L	Q				
SR0602 1R0ML  	1.0 $\pm$ 20%	14	100K	7.960M	90.0	30	4.50	4.60
1R4ML  	1.4 $\pm$ 20%	14	100K	7.960M	80.0	35	4.00	4.20
1R8ML  	1.8 $\pm$ 20%	13	100K	7.960M	70.0	40	3.30	3.50
2R2ML  	2.2 $\pm$ 20%	13	100K	7.960M	60.0	45	3.00	3.20
2R7ML  	2.7 $\pm$ 20%	13	100K	7.960M	55.0	50	2.80	3.00
3R3ML  	3.3 $\pm$ 20%	12	100K	7.960M	50.0	55	2.60	2.90
3R9ML  	3.9 $\pm$ 20%	12	100K	7.960M	45.0	60	2.40	2.70
4R7ML  	4.7 $\pm$ 20%	11	100K	7.960M	40.0	70	2.20	2.40
5R6ML  	5.6 $\pm$ 20%	11	100K	7.960M	36.0	85	2.00	2.30
6R8ML  	6.8 $\pm$ 20%	11	100K	7.960M	32.0	100	1.80	2.00
8R2ML  	8.2 $\pm$ 20%	11	100K	7.960M	30.0	110	1.60	1.90
100ML  	10.0 $\pm$ 20%	15	100K	2.520M	26.0	140	1.50	1.70
120ML  	12.0 $\pm$ 20%	15	100K	2.520M	24.0	150	1.40	1.60
150ML  	15.0 $\pm$ 20%	15	100K	2.520M	22.0	180	1.30	1.45
180ML  	18.0 $\pm$ 20%	15	100K	2.520M	20.0	220	1.20	1.30
220ML  	22.0 $\pm$ 20%	15	100K	2.520M	18.0	280	1.00	1.10
270ML  	27.0 $\pm$ 20%	12	100K	2.520M	16.0	320	0.90	1.05
330KL  	33.0 $\pm$ 10%	12	100K	2.520M	15.0	420	0.85	1.00
390KL  	39.0 $\pm$ 10%	12	100K	2.520M	14.0	480	0.75	0.80
470KL  	47.0 $\pm$ 10%	12	100K	2.520M	12.0	560	0.73	0.75
560KL  	56.0 $\pm$ 10%	12	100K	2.520M	11.0	700	0.65	0.70
680KL  	68.0 $\pm$ 10%	12	100K	2.520M	10.0	820	0.60	0.65
820KL  	82.0 $\pm$ 10%	12	100K	2.520M	9.5	1100	0.52	0.60
101KL  	100.0 $\pm$ 10%	22	100K	796K	8.5	1250	0.46	0.55
121KL  	120.0 $\pm$ 10%	22	100K	796K	8.0	1350	0.40	0.52
151KL  	150.0 $\pm$ 10%	22	100K	796K	7.0	1650	0.36	0.46
181KL  	180.0 $\pm$ 10%	24	100K	796K	6.5	1900	0.30	0.40
221KL  	220.0 $\pm$ 10%	24	100K	796K	6.0	2200	0.28	0.35
271KL  	270.0 $\pm$ 10%	24	100K	796K	5.5	3000	0.26	0.30
331KL  	330.0 $\pm$ 10%	34	100K	796K	5.0	3800	0.20	0.25
391KL  	390.0 $\pm$ 10%	34	100K	796K	4.5	4300	0.18	0.22
471KL  	470.0 $\pm$ 10%	36	100K	796K	4.0	5200	0.16	0.20
561KL  	560.0 $\pm$ 10%	36	100K	796K	3.8	6500	0.14	0.18
681KL  	680.0 $\pm$ 10%	36	100K	796K	3.5	7500	0.13	0.16
821KL  	820.0 $\pm$ 10%	36	100K	796K	3.0	9800	0.10	0.14
102KL  	1000.0 $\pm$ 10%	36	100K	252K	2.6	11000	0.08	0.12

- 1).  : Packaging information *** : Bulk  : Taping reel
- 2). "-   ": Reference Code
- 3). Inductance Test Freq. at 100KHz / 0.1V
- 4). I_{rms} base on Temp. rise 40°C max.
- 5). I_{sat} base on Δ L / L0A=10% typ.

• SR0603-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR0603 1R5ML□-□□□	1.5 $\pm$ 20%	24	1K	7.960M	85.0	0.040	3.00
2R5ML□-□□□	2.5 $\pm$ 20%	21	1K	7.960M	74.0	0.045	2.35
3R3ML□-□□□	3.3 $\pm$ 20%	21	1K	7.960M	68.0	0.048	2.20
3R9ML□-□□□	3.9 $\pm$ 20%	22	1K	7.960M	62.0	0.050	2.10
4R7ML□-□□□	4.7 $\pm$ 20%	20	1K	7.960M	56.0	0.066	1.80
5R0ML□-□□□	5.0 $\pm$ 20%	19	1K	7.960M	50.0	0.070	1.60
6R8ML□-□□□	6.8 $\pm$ 20%	19	1K	7.960M	44.0	0.110	1.38
7R5ML□-□□□	7.5 $\pm$ 20%	19	1K	7.960M	38.0	0.120	1.29
100ML□-□□□	10.0 $\pm$ 20%	24	1K	2.520M	34.0	0.150	1.14
120ML□-□□□	12.0 $\pm$ 20%	23	1K	2.520M	30.0	0.160	1.02
150ML□-□□□	15.0 $\pm$ 20%	22	1K	2.520M	28.0	0.180	0.93
180ML□-□□□	18.0 $\pm$ 20%	23	1K	2.520M	24.0	0.250	0.82
220ML□-□□□	22.0 $\pm$ 20%	20	1K	2.520M	20.0	0.275	0.75
270ML□-□□□	27.0 $\pm$ 20%	19	1K	2.520M	19.0	0.300	0.67
330KL□-□□□	33.0 $\pm$ 10%	23	1K	2.520M	15.0	0.450	0.61
390KL□-□□□	39.0 $\pm$ 10%	22	1K	2.520M	13.0	0.460	0.56
470KL□-□□□	47.0 $\pm$ 10%	20	1K	2.520M	13.0	0.550	0.52
560KL□-□□□	56.0 $\pm$ 10%	17	1K	2.520M	12.0	0.615	0.48
680KL□-□□□	68.0 $\pm$ 10%	17	1K	2.520M	12.0	0.720	0.44
820KL□-□□□	82.0 $\pm$ 10%	15	1K	2.520M	11.0	0.840	0.40
101KL□-□□□	100.0 $\pm$ 10%	28	1K	796K	9.6	0.950	0.38
121KL□-□□□	120.0 $\pm$ 10%	27	1K	796K	8.1	1.100	0.36
151KL□-□□□	150.0 $\pm$ 10%	28	1K	796K	7.5	1.430	0.32
181KL□-□□□	180.0 $\pm$ 10%	26	1K	796K	6.9	1.600	0.30
221KL□-□□□	220.0 $\pm$ 10%	26	1K	796K	5.5	2.000	0.26
271KL□-□□□	270.0 $\pm$ 10%	26	1K	796K	4.9	2.400	0.24
331KL□-□□□	330.0 $\pm$ 10%	28	1K	796K	4.7	3.200	0.20
391KL□-□□□	390.0 $\pm$ 10%	28	1K	796K	4.1	3.400	0.18
471KL□-□□□	470.0 $\pm$ 10%	29	1K	796K	3.5	4.550	0.15

1). □ : Packaging information ... $\square$: Bulk $\square$: Taping reel

2). "-□□□": Reference Code

3). IDC base on Temp. rise 40°C max. & Δ L/L0A=10% max.

• SR0604-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(MHz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR0604 1R2ML□-□□□□	1.2 $\pm$ 20%	35	1K	7.960M	155.0	0.020	4.20
1R5ML□-□□□□	1.5 $\pm$ 20%	32	1K	7.960M	108.0	0.024	3.60
2R2ML□-□□□□	2.2 $\pm$ 20%	33	1K	7.960M	79.0	0.031	2.80
2R7ML□-□□□□	2.7 $\pm$ 20%	22	1K	7.960M	65.0	0.055	2.30
3R3ML□-□□□□	3.3 $\pm$ 20%	22	1K	7.960M	60.0	0.060	2.00
3R9ML□-□□□□	3.9 $\pm$ 20%	22	1K	7.960M	40.0	0.065	1.90
4R7ML□-□□□□	4.7 $\pm$ 20%	20	1K	7.960M	34.0	0.070	1.80
5R6ML□-□□□□	5.6 $\pm$ 20%	20	1K	7.960M	30.0	0.075	1.70
6R8ML□-□□□□	6.8 $\pm$ 20%	20	1K	7.960M	28.0	0.080	1.60
8R2ML□-□□□□	8.2 $\pm$ 20%	20	1K	7.960M	26.0	0.090	1.50
100ML□-□□□□	10.0 $\pm$ 20%	30	1K	2.520M	23.0	0.100	1.45
120ML□-□□□□	12.0 $\pm$ 20%	30	1K	2.520M	22.0	0.120	1.40
150YL□-□□□□	15.0 $\pm$ 15%	30	1K	2.520M	20.0	0.140	1.30
180YL□-□□□□	18.0 $\pm$ 15%	30	1K	2.520M	18.0	0.150	1.25
220YL□-□□□□	22.0 $\pm$ 15%	30	1K	2.520M	16.0	0.190	1.10
270YL□-□□□□	27.0 $\pm$ 15%	28	1K	2.520M	14.0	0.220	1.00
330KL□-□□□□	33.0 $\pm$ 10%	24	1K	2.520M	13.0	0.250	0.88
390KL□-□□□□	39.0 $\pm$ 10%	24	1K	2.520M	13.0	0.320	0.80
470KL□-□□□□	47.0 $\pm$ 10%	22	1K	2.520M	12.0	0.370	0.72
560KL□-□□□□	56.0 $\pm$ 10%	22	1K	2.520M	11.0	0.420	0.68
680KL□-□□□□	68.0 $\pm$ 10%	22	1K	2.520M	10.0	0.520	0.62
820KL□-□□□□	82.0 $\pm$ 10%	20	1K	2.520M	9.0	0.600	0.58
101KL□-□□□□	100.0 $\pm$ 10%	20	1K	796K	8.5	0.700	0.52
121KL□-□□□□	120.0 $\pm$ 10%	22	1K	796K	6.6	0.930	0.48
151KL□-□□□□	150.0 $\pm$ 10%	22	1K	796K	6.2	1.100	0.40
181KL□-□□□□	180.0 $\pm$ 10%	20	1K	796K	6.0	1.380	0.38
221KL□-□□□□	220.0 $\pm$ 10%	20	1K	796K	5.6	1.570	0.35
271KL□-□□□□	270.0 $\pm$ 10%	26	1K	796K	3.9	1.880	0.32
331KL□-□□□□	330.0 $\pm$ 10%	25	1K	796K	3.3	2.250	0.27
391KL□-□□□□	390.0 $\pm$ 10%	25	1K	796K	3.1	2.480	0.25
471KL□-□□□□	470.0 $\pm$ 10%	25	1K	796K	2.9	3.300	0.21
561KL□-□□□□	560.0 $\pm$ 10%	24	1K	796K	2.5	4.000	0.18
681KL□-□□□□	680.0 $\pm$ 10%	26	1K	796K	2.3	4.650	0.16
821KL□-□□□□	820.0 $\pm$ 10%	25	1K	796K	2.0	5.200	0.14

- 1). □ : Packaging information ---**A** : Bulk **B** : Taping reel
- 2). "-□□□": Reference Code
- 3). IDC base on Temp.rise 40°C max. & $\Delta L/L0A=10\%$ max.

• SR0805-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR0805 1R5ML□-□□□	1.5 $\pm$ 20%	32	1K	7.960M	120.0	0.015	6.00
2R5ML□-□□□	2.5 $\pm$ 20%	32	1K	7.960M	70.0	0.020	5.00
3R3ML□-□□□	3.3 $\pm$ 20%	32	1K	7.960M	55.0	0.022	4.60
3R9ML□-□□□	3.9 $\pm$ 20%	32	1K	7.960M	45.0	0.024	4.40
4R7ML□-□□□	4.7 $\pm$ 20%	31	1K	7.960M	38.0	0.033	3.70
5R6ML□-□□□	5.6 $\pm$ 20%	31	1K	7.960M	34.0	0.035	3.50
6R8ML□-□□□	6.8 $\pm$ 20%	30	1K	7.960M	33.0	0.040	3.20
8R2ML□-□□□	8.2 $\pm$ 20%	29	1K	7.960M	30.0	0.050	2.80
100ML□-□□□	10.0 $\pm$ 20%	25	1K	2.520M	22.0	0.070	2.30
120ML□-□□□	12.0 $\pm$ 20%	25	1K	2.520M	20.0	0.080	2.00
150ML□-□□□	15.0 $\pm$ 20%	25	1K	2.520M	16.0	0.090	1.80
180ML□-□□□	18.0 $\pm$ 20%	20	1K	2.520M	15.0	0.100	1.60
220ML□-□□□	22.0 $\pm$ 20%	20	1K	2.520M	13.0	0.110	1.50
270ML□-□□□	27.0 $\pm$ 20%	20	1K	2.520M	12.0	0.120	1.30
330KL□-□□□	33.0 $\pm$ 10%	15	1K	2.520M	10.0	0.140	1.20
390KL□-□□□	39.0 $\pm$ 10%	15	1K	2.520M	9.5	0.160	1.10
470KL□-□□□	47.0 $\pm$ 10%	15	1K	2.520M	9.0	0.200	1.00
560KL□-□□□	56.0 $\pm$ 10%	15	1K	2.520M	8.5	0.240	0.94
680KL□-□□□	68.0 $\pm$ 10%	15	1K	2.520M	8.0	0.300	0.85
820KL□-□□□	82.0 $\pm$ 10%	12	1K	2.520M	7.0	0.370	0.78
101KL□-□□□	100.0 $\pm$ 10%	12	1K	0.796M	6.5	0.450	0.72
121KL□-□□□	120.0 $\pm$ 10%	12	1K	0.796M	5.6	0.480	0.66
151KL□-□□□	150.0 $\pm$ 10%	12	1K	0.796M	5.5	0.680	0.58
181KL□-□□□	180.0 $\pm$ 10%	12	1K	0.796M	5.0	0.770	0.51
221KL□-□□□	220.0 $\pm$ 10%	12	1K	0.796M	4.8	0.960	0.49
271KL□-□□□	270.0 $\pm$ 10%	12	1K	0.796M	4.5	1.110	0.42
331KL□-□□□	330.0 $\pm$ 10%	12	1K	0.796M	4.3	1.260	0.40
391KL□-□□□	390.0 $\pm$ 10%	12	1K	0.796M	4.0	1.770	0.36
471KL□-□□□	470.0 $\pm$ 10%	12	1K	0.796M	3.8	1.960	0.34
561KL□-□□□	560.0 $\pm$ 10%	30	1K	0.796M	3.7	2.500	0.30
681KL□-□□□	680.0 $\pm$ 10%	29	1K	0.796M	3.5	2.800	0.28
821KL□-□□□	820.0 $\pm$ 10%	28	1K	0.796M	3.2	4.000	0.23
102KL□-□□□	1000.0 $\pm$ 10%	27	1K	0.252M	3.0	4.500	0.21
122KL□-□□□	1200.0 $\pm$ 10%	28	1K	0.252M	2.6	6.800	0.17
152KL□-□□□	1500.0 $\pm$ 10%	27	1K	0.252M	2.4	8.000	0.15
182KL□-□□□	1800.0 $\pm$ 10%	30	1K	0.252M	1.6	9.200	0.14
222KL□-□□□	2200.0 $\pm$ 10%	29	1K	0.252M	1.5	10.000	0.13
272KL□-□□□	2700.0 $\pm$ 10%	31	1K	0.252M	1.4	11.800	0.12
332KL□-□□□	3300.0 $\pm$ 10%	28	1K	0.252M	1.2	16.500	0.10
392KL□-□□□	3900.0 $\pm$ 10%	28	1K	0.252M	1.1	18.000	0.09
472KL□-□□□	4700.0 $\pm$ 10%	30	1K	0.252M	1.0	21.000	0.08

1). □ : Packaging information ... $\square$: Bulk $\square$: Taping reel

2). "-□□□": Reference Code

3). IDC base on Temp.rise 40°C max.& Δ L/L0A=10% max.

• SR1006-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(MHz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR1006 1R5ML □-□□□	1.5 $\pm$ 20%	35	1K	7.960M	105.0	0.018	6.40
2R2ML □-□□□	2.2 $\pm$ 20%	35	1K	7.960M	68.0	0.021	5.40
3R3ML □-□□□	3.3 $\pm$ 20%	34	1K	7.960M	55.0	0.024	5.00
3R9ML □-□□□	3.9 $\pm$ 20%	34	1K	7.960M	48.0	0.027	4.60
4R7ML □-□□□	4.7 $\pm$ 20%	33	1K	7.960M	40.0	0.036	4.00
5R6ML □-□□□	5.6 $\pm$ 20%	33	1K	7.960M	35.0	0.040	3.80
6R8ML □-□□□	6.8 $\pm$ 20%	33	1K	7.960M	32.0	0.044	3.40
8R2ML □-□□□	8.2 $\pm$ 20%	31	1K	7.960M	24.0	0.048	3.00
100ML □-□□□	10.0 $\pm$ 20%	30	1K	2.520M	21.0	0.060	2.60
120ML □-□□□	12.0 $\pm$ 20%	30	1K	2.520M	20.0	0.070	2.45
150ML □-□□□	15.0 $\pm$ 20%	30	1K	2.520M	16.0	0.080	2.25
180ML □-□□□	18.0 $\pm$ 20%	30	1K	2.520M	15.0	0.090	2.15
220ML □-□□□	22.0 $\pm$ 20%	25	1K	2.520M	13.0	0.100	1.95
270ML □-□□□	27.0 $\pm$ 20%	25	1K	2.520M	11.0	0.110	1.75
330KL □-□□□	33.0 $\pm$ 10%	25	1K	2.520M	10.0	0.120	1.50
390KL □-□□□	39.0 $\pm$ 10%	20	1K	2.520M	9.0	0.140	1.35
470KL □-□□□	47.0 $\pm$ 10%	20	1K	2.520M	8.0	0.170	1.25
560KL □-□□□	56.0 $\pm$ 10%	20	1K	2.520M	7.5	0.190	1.15
680KL □-□□□	68.0 $\pm$ 10%	15	1K	2.520M	7.0	0.220	1.10
820KL □-□□□	82.0 $\pm$ 10%	15	1K	2.520M	6.0	0.250	1.00
101KL □-□□□	100.0 $\pm$ 10%	15	1K	0.796M	5.2	0.350	0.97
121KL □-□□□	120.0 $\pm$ 10%	15	1K	0.796M	5.0	0.400	0.89
151KL □-□□□	150.0 $\pm$ 10%	15	1K	0.796M	4.5	0.470	0.78
181KL □-□□□	180.0 $\pm$ 10%	12	1K	0.796M	4.0	0.630	0.72
221KL □-□□□	220.0 $\pm$ 10%	12	1K	0.796M	3.8	0.730	0.66
271KL □-□□□	270.0 $\pm$ 10%	12	1K	0.796M	3.5	0.970	0.57
331KL □-□□□	330.0 $\pm$ 10%	12	1K	0.796M	3.2	1.150	0.52
391KL □-□□□	390.0 $\pm$ 10%	12	1K	0.796M	3.0	1.300	0.48
471KL □-□□□	470.0 $\pm$ 10%	12	1K	0.796M	2.5	1.480	0.42
561KL □-□□□	560.0 $\pm$ 10%	12	1K	0.796M	2.3	1.900	0.33
681KL □-□□□	680.0 $\pm$ 10%	12	1K	0.796M	2.1	2.250	0.28
821KL □-□□□	820.0 $\pm$ 10%	10	1K	0.796M	2.0	2.550	0.24
102KL □-□□□	1000.0 $\pm$ 10%	29	1K	0.252M	1.9	3.100	0.23
122KL □-□□□	1200.0 $\pm$ 10%	32	1K	0.252M	1.8	4.200	0.21
152KL □-□□□	1500.0 $\pm$ 10%	31	1K	0.252M	1.7	5.000	0.19
182KL □-□□□	1800.0 $\pm$ 10%	31	1K	0.252M	1.6	6.800	0.17
222KL □-□□□	2200.0 $\pm$ 10%	31	1K	0.252M	1.5	7.600	0.16
272KL □-□□□	2700.0 $\pm$ 10%	32	1K	0.252M	1.4	11.600	0.14
332KL □-□□□	3300.0 $\pm$ 10%	32	1K	0.252M	1.3	13.500	0.12
392KL □-□□□	3900.0 $\pm$ 10%	31	1K	0.252M	1.2	14.800	0.11
472KL □-□□□	4700.0 $\pm$ 10%	32	1K	0.252M	0.8	18.000	0.10

1). □ : Packaging information ---[A] : Bulk [B] : Taping reel

2). "-□□□": Reference Code

3). IDC base on Temp.rise 40°C max. & Δ L/L0A=10% max.

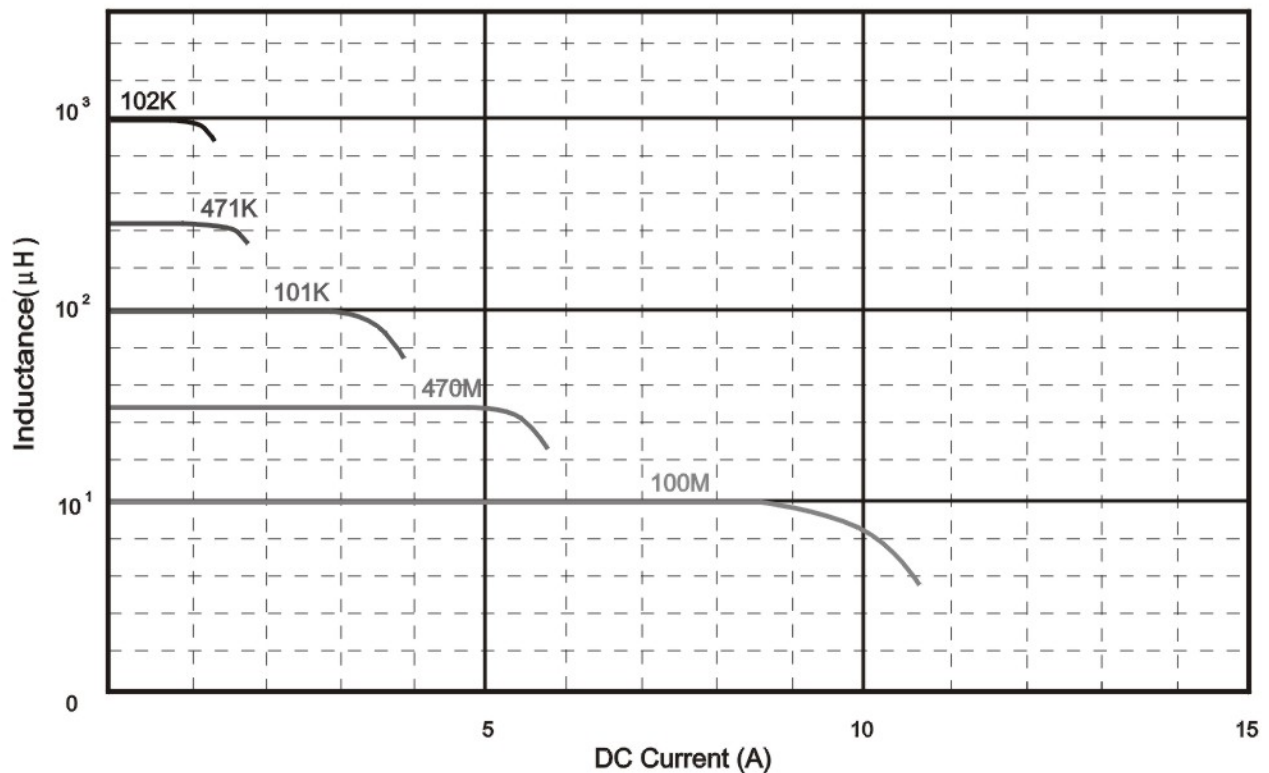
• SR1011-L Series

DWG No.	Inductance (μ H)	SRF (MHz) typ.	RDC (Ω) max.	I _{rms} 1 Δ T=20°C typ.	I _{rms} 2 Δ T=40°C max.	I _{sat} Δ L/L0A=10% max.
SR1011 100ML□-□□□	10.0±20%	18.00	0.035	3.50	5.00	8.00
150ML□-□□□	15.0±20%	13.00	0.045	3.00	4.00	7.00
220ML□-□□□	22.0±20%	12.00	0.065	2.50	3.20	5.50
330ML□-□□□	33.0±20%	9.50	0.080	2.00	2.60	4.00
470ML□-□□□	47.0±20%	7.00	0.110	1.70	2.20	3.80
680ML□-□□□	68.0±20%	5.80	0.150	1.50	2.00	3.00
101KL□-□□□	100.0±10%	4.80	0.200	1.30	1.80	2.50
151KL□-□□□	150.0±10%	3.80	0.320	1.00	1.50	2.00
221KL□-□□□	220.0±10%	3.10	0.420	0.90	1.20	1.70
331KL□-□□□	330.0±10%	2.50	0.700	0.70	0.90	1.30
471KL□-□□□	470.0±10%	2.10	0.900	0.50	0.75	1.10
681KL□-□□□	680.0±10%	1.70	1.250	0.40	0.60	1.00
102KL□-□□□	1000.0±10%	1.40	1.900	0.30	0.50	0.80

S
R

- 1). □ : Packaging information ...**A** : Bulk **B** : Taping reel
- 2). "-□□□" : Reference Code
- 3). Test Freq. : 100KHz, 0.1V
- 4). I_{rms} 1 base on Temp. rise 20°C typ.
- 5). I_{rms} 2 base on Temp. rise 40°C max.
- 6). I_{sat} Base on Δ L / L0A=10% max.

@ Inductance VS. DC Superposition Characteristics



• SR1307-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(MHz)		SRF (MHz) nom.	RDC (m Ω) max.	I _{rms} (A)	I _{sat} (A)
			L	Q				
SR1307 1R5ML□-□□□□	1.5 $\pm$ 20%	20	100K	7.960M	65.0	5.0	9.50	20.00
2R2ML□-□□□□	2.2 $\pm$ 20%	22	100K	7.960M	50.0	6.0	9.00	18.00
2R7ML□-□□□□	2.7 $\pm$ 20%	24	100K	7.960M	40.0	8.0	8.20	16.00
3R3ML□-□□□□	3.3 $\pm$ 20%	26	100K	7.960M	38.0	8.7	7.50	15.00
4R7ML□-□□□□	4.7 $\pm$ 20%	25	100K	7.960M	36.0	10.0	7.00	13.00
5R6ML□-□□□□	5.6 $\pm$ 20%	24	100K	7.960M	28.0	15.0	6.50	11.00
6R8ML□-□□□□	6.8 $\pm$ 20%	24	100K	7.960M	26.0	17.0	6.00	10.50
8R2ML□-□□□□	8.2 $\pm$ 20%	24	100K	7.960M	24.0	19.0	5.80	9.80
100ML□-□□□□	10.0 $\pm$ 20%	22	100K	2.520M	22.0	21.0	5.60	9.20
120ML□-□□□□	12.0 $\pm$ 20%	25	100K	2.520M	20.0	30.0	4.80	8.00
150ML□-□□□□	15.0 $\pm$ 20%	28	100K	2.520M	17.0	34.0	4.50	7.50
180ML□-□□□□	18.0 $\pm$ 20%	28	100K	2.520M	16.0	36.0	4.20	7.00
220ML□-□□□□	22.0 $\pm$ 20%	40	100K	2.520M	15.0	47.0	3.60	6.50
270ML□-□□□□	27.0 $\pm$ 20%	35	100K	2.520M	11.0	60.0	3.30	5.50
330KL□-□□□□	33.0 $\pm$ 10%	35	100K	2.520M	10.0	65.0	3.10	5.00
390KL□-□□□□	39.0 $\pm$ 10%	28	100K	2.520M	9.0	75.0	2.90	4.60
470KL□-□□□□	47.0 $\pm$ 10%	24	100K	2.520M	7.5	82.0	2.70	4.20
560KL□-□□□□	56.0 $\pm$ 10%	22	100K	2.520M	7.2	100.0	2.50	3.80
680KL□-□□□□	68.0 $\pm$ 10%	24	100K	2.520M	7.0	120.0	2.30	3.50
820KL□-□□□□	82.0 $\pm$ 10%	18	100K	2.520M	6.0	140.0	2.10	3.20
101KL□-□□□□	100.0 $\pm$ 10%	25	100K	0.796M	5.8	180.0	1.90	3.00
121KL□-□□□□	120.0 $\pm$ 10%	20	100K	0.796M	5.5	210.0	1.80	2.80
151KL□-□□□□	150.0 $\pm$ 10%	20	100K	0.796M	4.5	250.0	1.60	2.60
181KL□-□□□□	180.0 $\pm$ 10%	18	100K	0.796M	4.0	280.0	1.50	2.30
221KL□-□□□□	220.0 $\pm$ 10%	15	100K	0.796M	3.8	360.0	1.30	2.10
271KL□-□□□□	270.0 $\pm$ 10%	15	100K	0.796M	3.5	410.0	1.20	1.80
331KL□-□□□□	330.0 $\pm$ 10%	15	100K	0.796M	3.2	520.0	1.10	1.60
391KL□-□□□□	390.0 $\pm$ 10%	12	100K	0.796M	2.5	600.0	1.00	1.50
471KL□-□□□□	470.0 $\pm$ 10%	12	100K	0.796M	2.2	720.0	0.90	1.40
561KL□-□□□□	560.0 $\pm$ 10%	10	100K	0.796M	2.0	880.0	0.85	1.30
681KL□-□□□□	680.0 $\pm$ 10%	10	100K	0.796M	1.6	1000.0	0.80	1.20
821KL□-□□□□	820.0 $\pm$ 10%	10	100K	0.796M	1.5	1300.0	0.75	1.10
102KL□-□□□□	1000.0 $\pm$ 10%	10	100K	0.252M	1.4	1600.0	0.65	1.00

1). □ : Packaging information ...**A** : Bulk **B** : Taping reel

2). "-□□□" : Reference Code

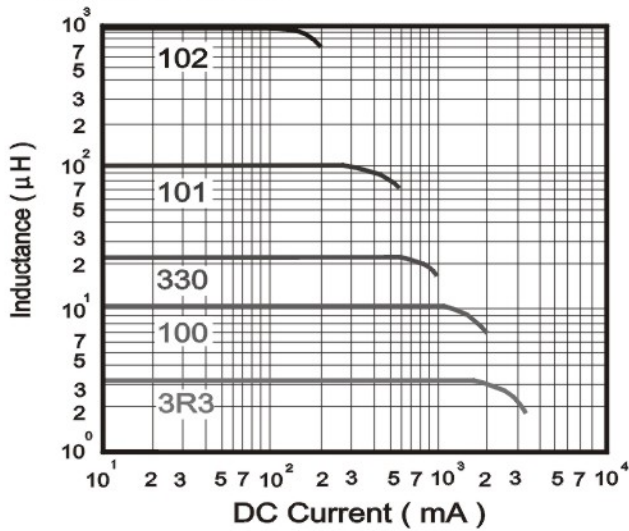
3). Inductance Test Freq. at 100KHz / 0.1V

4). I_{rms} Base on $\Delta T = 40^{\circ}\text{C}$ max.

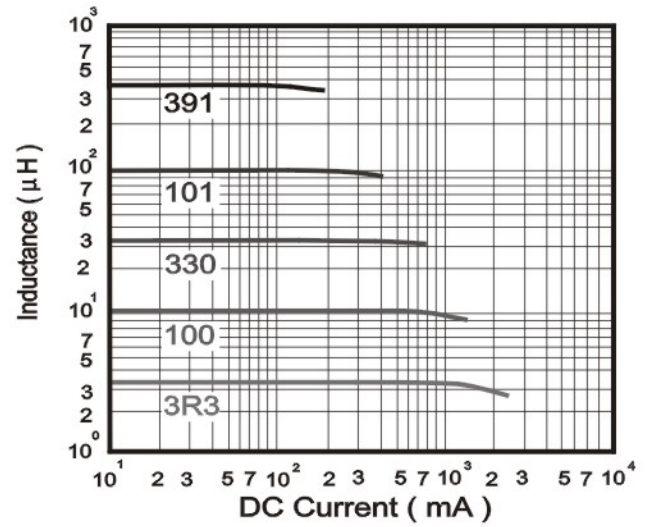
5). I_{sat} Base on $\Delta L / L_{0A}=10\%$ typ.

VI. Inductance VS. DC Current Curve :

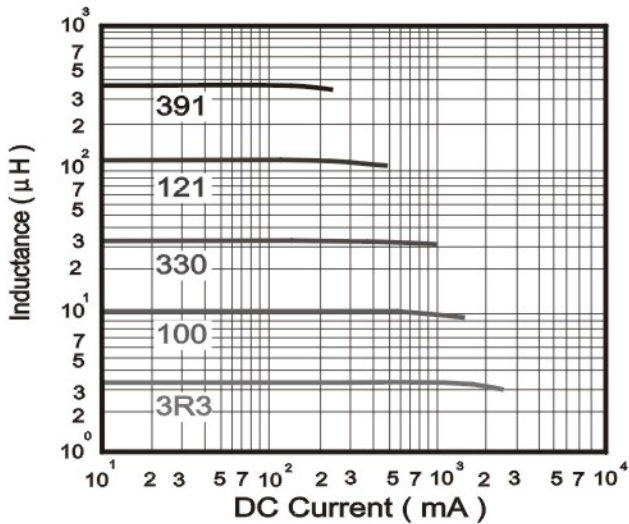
• SR0602-L Series



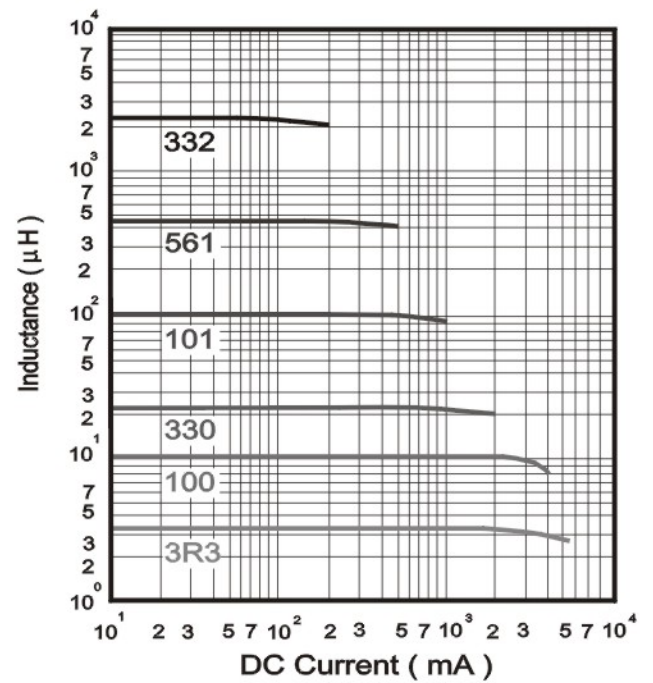
• SR0603-L Series



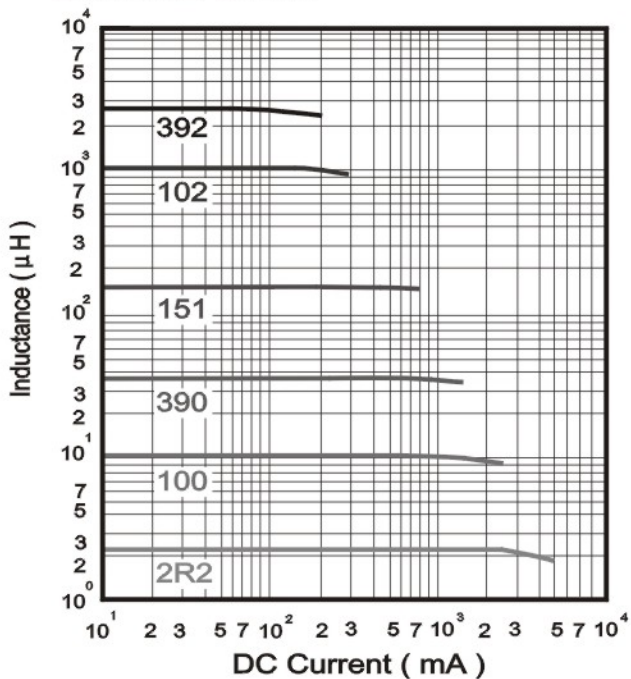
• SR0604-L Series



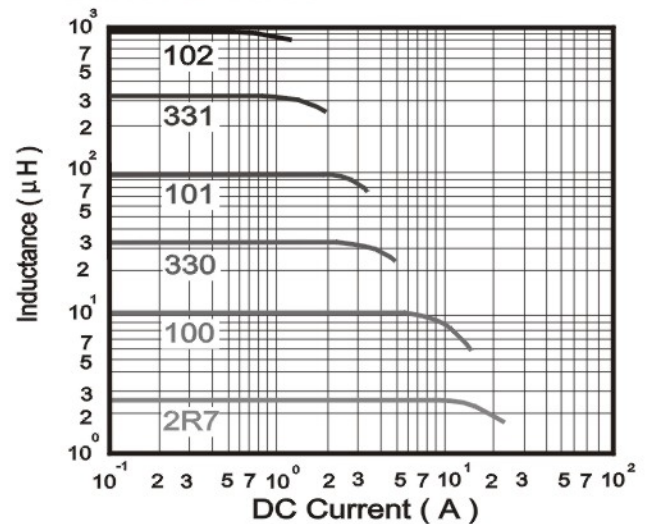
• SR0805-L Series



• SR1006-L Series



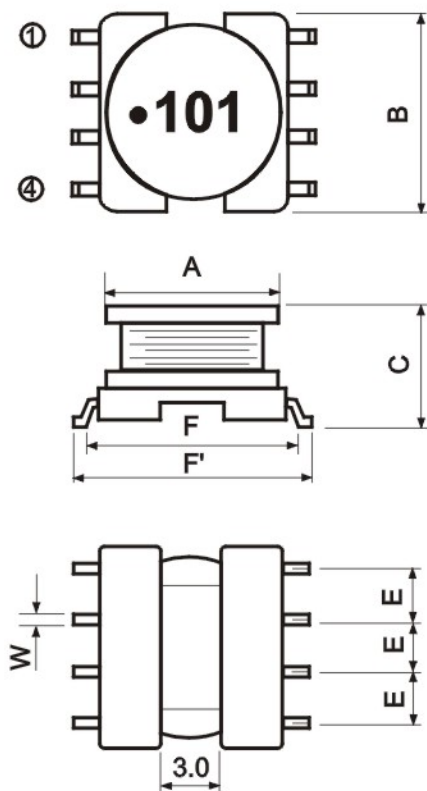
• SR1307-L Series



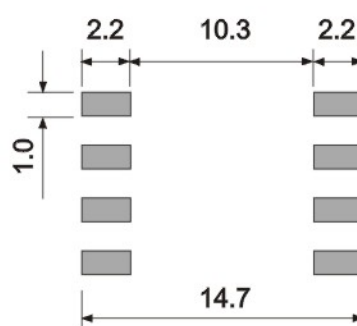


SMD Power Inductor SR0906-L Series

I. Configuration & Dimensions : (m/m)

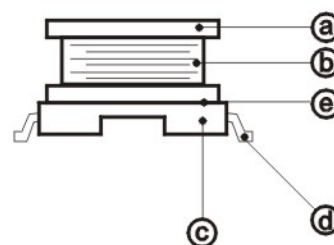
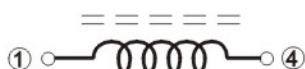


A :	9.50 ± 0.50 m/m
B :	10.50 max. m/m
C :	6.00 ± 0.30 m/m
E :	2.50 ± 0.30 m/m
F :	11.00 ± 0.50 m/m
F' :	12.70 ± 0.80 m/m
W :	0.60 typ.



(PCB Pattern)

II. Schematic Diagram :



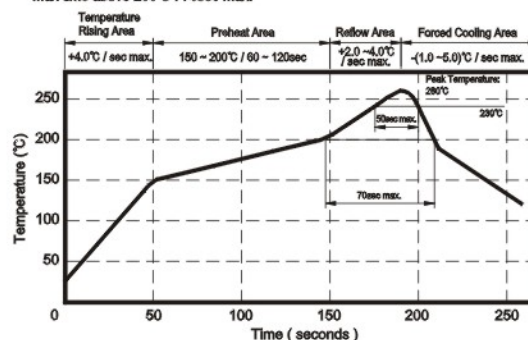
III. Materials :

- a. Core : Ferrite DR core
- b. Wire : Enamelled copper wire
- c. Base : LCP E4008
- d. Terminal : Cu / Sn
- e. Adhesive : Epoxy resin
- f. Remark : Products comply with RoHS' requirements

IV. General Specification :

- a. temp. rise : 40°C max.
- b. Rated current : Base on temp. rise
& $\Delta L / L_{0A} = 10\%$ max.
- c. Storage temp. : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- d. Operating temp. : $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- e. Resistance to solder heat : 260°C , 10 secs.

Peak Temp : 260°C max.
Max time above 230°C : 50sec max.
Max time above 200°C : 70sec max.



V. Electrical Characteristics : - SR0906-L Series

DWG No.	Inductance (μ H)	Q ref.	Test Freq.(Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR0906 2R2ML 	2.2 $\pm$ 20%	30	1K	7.960M	105.0	0.032	4.00
2R7ML 	2.7 $\pm$ 20%	30	1K	7.960M	84.0	0.038	3.50
3R9ML 	3.9 $\pm$ 20%	28	1K	7.960M	77.0	0.043	3.30
4R7ML 	4.7 $\pm$ 20%	28	1K	7.960M	55.0	0.050	3.00
5R6ML 	5.6 $\pm$ 20%	28	1K	7.960M	42.0	0.055	2.80
6R8ML 	6.8 $\pm$ 20%	27	1K	7.960M	36.0	0.060	2.60
8R2ML 	8.2 $\pm$ 20%	27	1K	7.960M	29.0	0.065	2.40
100ML 	10.0 $\pm$ 20%	35	1K	2.520M	25.0	0.090	2.10
120ML 	12.0 $\pm$ 20%	35	1K	2.520M	23.0	0.100	2.00
150ML 	15.0 $\pm$ 20%	35	1K	2.520M	22.0	0.110	1.90
180ML 	18.0 $\pm$ 20%	35	1K	2.520M	19.0	0.120	1.80
220ML 	22.0 $\pm$ 20%	35	1K	2.520M	16.0	0.130	1.60
270KL 	27.0 $\pm$ 10%	35	1K	2.520M	15.0	0.150	1.40
330KL 	33.0 $\pm$ 10%	35	1K	2.520M	13.5	0.180	1.25
390KL 	39.0 $\pm$ 10%	25	1K	2.520M	13.0	0.190	1.15
470KL 	47.0 $\pm$ 10%	25	1K	2.520M	12.2	0.230	1.10
560KL 	56.0 $\pm$ 10%	25	1K	2.520M	12.0	0.260	1.05
680KL 	68.0 $\pm$ 10%	20	1K	2.520M	10.0	0.310	1.00
820KL 	82.0 $\pm$ 10%	20	1K	2.520M	9.2	0.330	0.95
101KL 	100.0 $\pm$ 10%	15	1K	0.796M	9.0	0.390	0.90
121KL 	120.0 $\pm$ 10%	15	1K	0.796M	8.0	0.430	0.85
151KL 	150.0 $\pm$ 10%	15	1K	0.796M	7.5	0.560	0.75
181KL 	180.0 $\pm$ 10%	15	1K	0.796M	7.0	0.640	0.70
221KL 	220.0 $\pm$ 10%	20	1K	0.796M	6.0	0.850	0.60
271KL 	270.0 $\pm$ 10%	20	1K	0.796M	5.5	1.000	0.55
331KL 	330.0 $\pm$ 10%	15	1K	0.796M	5.3	1.270	0.50
391KL 	390.0 $\pm$ 10%	15	1K	0.796M	5.0	1.400	0.45
471KL 	470.0 $\pm$ 10%	15	1K	0.796M	4.8	1.630	0.40
561KL 	560.0 $\pm$ 10%	15	1K	0.796M	4.5	2.100	0.32
681KL 	680.0 $\pm$ 10%	15	1K	0.796M	4.0	2.400	0.28
821KL 	820.0 $\pm$ 10%	15	1K	0.796M	3.5	2.750	0.24
102KL 	1000.0 $\pm$ 10%	60	1K	0.252M	2.5	3.500	0.22
122KL 	1200.0 $\pm$ 10%	60	1K	0.252M	2.0	4.000	0.20
152KL 	1500.0 $\pm$ 10%	70	1K	0.252M	2.0	5.000	0.18
182KL 	1800.0 $\pm$ 10%	60	1K	0.252M	1.9	5.800	0.17
222KL 	2200.0 $\pm$ 10%	94	1K	0.252M	1.6	8.000	0.14
272KL 	2700.0 $\pm$ 10%	90	1K	0.252M	1.3	9.000	0.13
332KL 	3300.0 $\pm$ 10%	78	1K	0.252M	1.3	10.000	0.12
392KL 	3900.0 $\pm$ 10%	96	1K	0.252M	1.2	13.500	0.10
472KL 	4700.0 $\pm$ 10%	86	1K	0.252M	1.0	15.000	0.09
562KL 	5600.0 $\pm$ 10%	100	1K	0.252M	1.0	20.000	0.07
682KL 	6800.0 $\pm$ 10%	90	1K	0.252M	0.9	23.000	0.06
822KL 	8200.0 $\pm$ 10%	100	1K	0.252M	0.8	28.000	0.05
103KL 	10000.0 $\pm$ 10%	100	1K	79.6K	0.7	33.000	0.04

1).  : Packaging information ... : Bulk  : Taping reel

2). "-": Reference Code

3). IDC base on Temp. rise 40°C max. & Δ L/L0A=10% max.

VI. Inductance VS. DC Current Curve :

