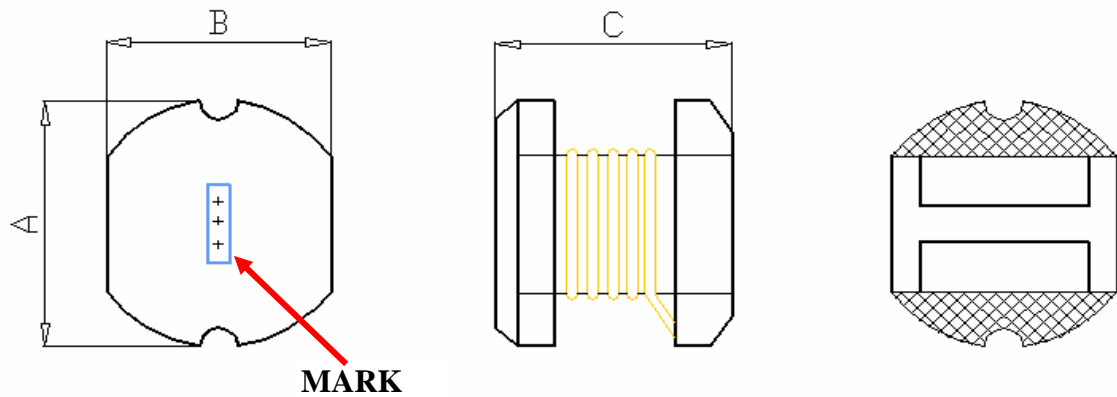
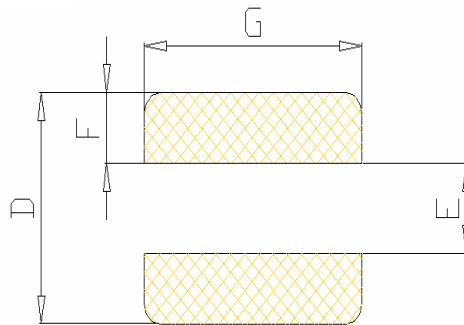


1. SHAPE AND DIMENSION(UNIT:mm)



2.PAD LAYOUT:



3.DIMENSIONS:

PART NO.	A	B	C	D	E	F	G
CRGA43	4.5+0.3	4.0+0.3	3.2+0.3	5.0	1.50	1.75	4.50
CRGA53	5.8+0.3	5.2+0.3	3.2MAX	6.0	1.70	2.15	5.50
CRGA54	5.8+0.3	5.2+0.3	4.5+0.35	6.0	1.70	2.15	5.50
CRGA73	7.8+0.3	7.0+0.3	3.5+0.5	8.0	2.00	3.00	7.50
CRGA75	7.8+0.3	7.0+0.3	5.0+0.5	8.0	2.00	3.00	7.50
CRGA103	10 +0.4	9.0+0.4	3.2MAX	10.0	2.50	3.75	9.50
CRGA104	10 +0.4	9.0+0.4	4.0+0.5	10.0	2.50	3.75	9.50
CRGA105	10 +0.4	9.0+0.4	5.4+0.4	10.0	2.50	3.75	9.50
CRGA106	10 +0.4	9.0+0.4	7.0MAX	10.0	2.50	3.75	9.50



SMD POWER INDUCTOR(CRGA)

SPECIFICATIONS:

P/N	L	TEST FREQ	RDC (OHM MAX)					IDC (A MAX)				
	(uH)	KHz	CRGA43	CRGA53	CRGA54	CRGA73	CRGA75	CRGA43	CRGA53	CRGA54	CRGA73	CRGA75
1R0	1.0	100	0.049					2.560				
1R4	1.4	100	0.057					2.520				
1R8	1.8	100	0.064					1.950				
2R2	2.2	100	0.072	0.070				1.750	2.030			
2R7	2.7	100	0.079					1.580				
3R3	3.3	100	0.087	0.090				1.440	1.880			
3R9	3.9	100	0.094					1.330				
4R7	4.7	100	0.109	0.100				1.150	1.680			
5R6	5.6	100	0.126					0.990				
6R8	6.8	100	0.132					0.950				
8R2	8.2	100	0.147					0.840				
100	10	100	0.182	0.160	0.100	0.080	0.070	1.040	1.230	1.440	1.440	2.300
120	12	100	0.210	0.180	0.120	0.090	0.080	0.970	1.120	1.400	1.390	2.000
150	15	100	0.235	0.250	0.140	0.100	0.090	0.850	1.000	1.300	1.240	1.800
180	18	100	0.338	0.280	0.150	0.110	0.100	0.740	0.880	1.230	1.120	1.600
220	22	100	0.378	0.390	0.180	0.130	0.110	0.680	0.800	1.110	1.070	1.500
270	27	100	0.522	0.420	0.200	0.150	0.120	0.620	0.720	0.970	0.940	1.300
330	33	100	0.540	0.490	0.230	0.170	0.130	0.560	0.670	0.880	0.850	1.200
390	39	100	0.587	0.550	0.320	0.220	0.160	0.520	0.640	0.800	0.740	1.100
470	47	100	0.844	0.770	0.370	0.250	0.180	0.440	0.530	0.720	0.680	1.100
560	56	100	0.937	0.870	0.420	0.280	0.240	0.420	0.500	0.680	0.640	0.940
680	68	100	1.117	1.210	0.460	0.330	0.280	0.370	0.450	0.610	0.590	0.850
820	82	100		1.340	0.600	0.410	0.370		0.390	0.580	0.540	0.780
101	100	1		1.570	0.700	0.480	0.430		0.370	0.520	0.510	0.720
121	120	1		1.800	0.930	0.540	0.470		0.340	0.480	0.490	0.660
151	150	1		2.400	1.100	0.750	0.640		0.310	0.400	0.400	0.580
181	180	1		2.660	1.380	1.020	0.710		0.300	0.380	0.360	0.510
221	220	1		3.730	1.570	1.200	0.960		0.260	0.350	0.310	0.490
271	270	1				1.310	1.110				0.290	0.420
331	330	1				1.500	1.260				0.280	0.400
391	390	1					1.770					0.360
471	470	1					1.960					0.340

◆ TOLERANCE OF INDUCTANCE

- (a) CRGA43 : 1.0~27uH ± 20% (M) 33~68uH ± 10% (K)
- (b) CRGA53 : 2.2~4.7uH ± 20% (M) 10~12uH ± 15% (L) 15~220uH ± 10% (K)
- (c) CRGA54 : 10~27uH ± 20% (M) 33~47uH ± 15% (L) 56~200uH ± 10% (K)
- (d) CRGA73 : 10~47uH ± 20% (M) 56~330uH ± 10% (K)
- (e) CRGA75 : 10~470uH±10% (K)

◆ The operating temperature range is -25°C to + 85°C.

◆ IDC : The current of inductance drops 10%.



SMD POWER INDUCTOR(CRGA)

SPECIFICATIONS:

P/N	L (uH)	TEST FREQ KHz	RDC (OHM MAX)				IDC (A MAX)			
			CRGA103	CRGA104	CRGA105	CRGA106	CRGA103	CRGA104	CRGA105	CRGA106
100	10	100	0.047	0.050	0.060	0.060	2.000	2.380	2.600	3.500
120	12	100	0.056	0.060	0.070	0.070	1.800	2.130	2.450	3.400
150	15	100	0.072	0.070	0.080	0.080	1.550	1.870	2.270	3.100
180	18	100	0.078	0.080	0.090	0.090	1.450	1.730	2.150	3.000
220	22	100	0.098	0.090	0.100	0.100	1.250	1.600	1.950	2.600
270	27	100	0.110	0.100	0.110	0.110	1.160	1.440	1.760	2.400
330	33	100	0.150	0.120	0.120	0.120	1.050	1.260	1.500	2.300
390	39	100	0.170	0.150	0.140	0.140	0.970	1.200	1.370	2.100
470	47	100	0.220	0.170	0.170	0.170	0.910	1.100	1.280	1.950
560	56	100	0.240	0.200	0.190	0.190	0.800	1.010	1.170	1.850
680	68	100	0.280	0.220	0.220	0.220	0.760	0.910	1.110	1.650
820	82	100	0.380	0.250	0.250	0.250	0.660	0.850	1.000	1.500
101	100	1	0.430	0.340	0.350	0.350	0.610	0.740	0.970	1.400
121	120	1	0.490	0.400	0.400	0.400	0.560	0.690	0.890	1.300
151	150	1	0.610	0.540	0.470	0.470	0.490	0.610	0.780	1.200
181	180	1	0.750	0.620	0.630	0.630	0.450	0.560	0.720	1.000
221	220	1	0.900	0.720	0.730	0.730	0.430	0.530	0.660	0.950
271	270	1	1.130	0.950	0.970	0.970	0.370	0.450	0.570	0.900
331	330	1	1.280	1.100	1.150	1.150	0.340	0.420	0.520	0.800
391	390	1	1.600	1.240	1.300	1.300	0.310	0.380	0.480	0.750
471	470	1	1.880	1.530	1.480	1.480	0.290	0.350	0.420	0.650
561	560	1		1.900	1.900	1.900		0.320	0.330	0.600
681	680	1			2.250	2.450			0.280	0.500
821	820	1			2.550	2.550			0.240	0.480
102	1000	1				3.000				0.460
122	1200	1				3.500				0.350

◆ **TOLERANCE OF INDUCTANCE**

- (a) CRGA103 : 10~470uH ± 20% (M)
- (b) CRGA104 : 10~39uH ± 20% (M) 47~560uH ± 10% (K)
- (c) CRGA105 : 10~39uH ± 20% (M) 47~820uH ± 10% (K)
- (d) CRGA106 : 10~82uH ± 20% (M) 47~1200uH ± 10% (K)

◆ The operating temperature range is -25°C to +85°C

◆ IDC : The current of inductance drops 10%

可立德實業有限公司
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