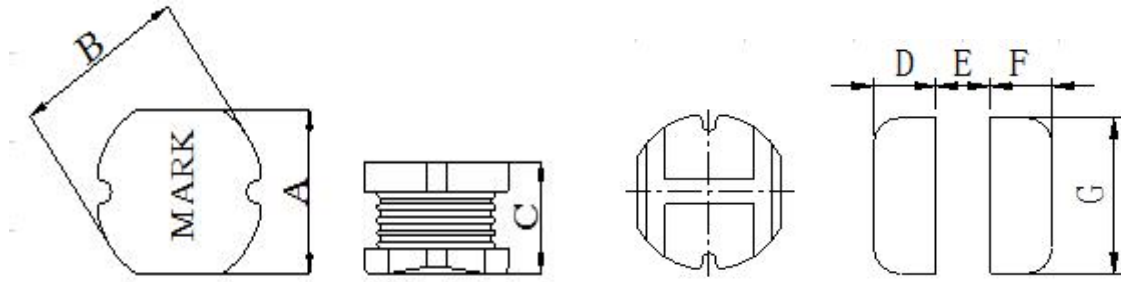


## SMD功率电感

## CD 系列

机械尺寸Mechanical: (UNIT: mm)



TYPE	A $\pm$ 0.3	B $\pm$ 0.3	C(Max)	D	E	F	G
CD31	3.00	3.50	1.80	1.25	1.00	1.25	3.50
CD32	3.00	3.50	2.40	1.25	1.00	1.25	3.50
CD42	4.00	4.50	2.30	1.80	1.20	1.80	4.50
CD43	4.00	4.50	3.50	1.80	1.20	1.80	4.50
CD51	5.20	5.80	2.30	2.70	1.20	2.70	5.80
CD52	5.20	5.80	2.80	2.40	1.80	2.40	5.80
CD53	5.20	5.80	3.80	2.70	1.20	2.70	5.80
CD54	5.20	5.80	4.80	2.60	1.40	2.60	5.80
CD73	7.00	7.80	3.80	3.00	2.00	3.00	7.50
CD75	7.00	7.80	5.20	3.00	2.00	3.00	7.50
CD105	9.00	10.00	5.80	3.75	2.50	3.75	9.50
CD106	9.00	10.00	6.90	3.75	2.50	3.75	9.50

## 电气特性

PART No.	NOMINAL INDUCTANCE ( $\mu$ H)	DCR ( $\Omega$ )MAX	IDC (A)
CD31-1R0M	1.0	49.00m	1.2
CD31-1R8M	1.8	68.00m	1.10
CD31-2R2M	2.2	78.00m	980m
CD31-2R7M	2.7	109.00m	960m
CD31-4R7M	4.7	163.00m	900m
CD31-5R6M	5.6	182.00m	850m
CD31-6R8M	6.8	234.00m	810m
CD31-8R2M	8.2	260.00m	710m
CD31-100K	10	306.00m	610m
CD31-120K	12	377.00m	580m

CD31-150K	15	442.00m	530m
CD31-180K	18	520.00m	480m
CD31-220K	22	637.00m	430m
CD31-270K	27	767.00m	410m
CD31-330K	33	1.01	370m
CD31-390K	39	1.11	340m
CD31-470K	47	1.47	300m
CD31-680K	68	2.00	250m
CD31-101K	100	2.90	200m
CD31-151K	150	5.40	100m
<b>PART No.</b>	<b>NOMINAL INDUCTANCE ( uH )</b>	<b>DCR ( Ω )MAX</b>	<b>IDC (A)</b>
CD32-1R0M	1.0	48.10m	2.00
CD32-1R5M	1.5	51.00m	1.86
CD32-2R2M	2.2	72.80m	1.40
CD32-3R3M	3.3	108.55m	1.25
CD32-3R9M	3.9	148.20m	1.20
CD32-4R7M	4.7	172.90m	1.10
CD32-5R6M	5.6	192.40m	900m
CD32-6R8M	6.8	219.44m	850m
CD32-8R2M	8.2	247.00m	800m
CD32-100K	10	286.00m	730m
CD32-120K	12	325.00m	620m
CD32-150K	15	468.00m	600m
CD32-180K	18	546.00m	530m
CD32-220K	22	611.00m	500m
CD32-270K	27	680.00m	420m
CD32-330K	33	962.00m	400m
CD32-390K	39	1.05	360m
CD32-470K	47	1.20	340m
CD32-560K	56	1.53	320m
CD32-680K	68	1.76	300m
CD32-820K	82	2.39	280m
CD32-101K	100	2.67	250m
CD32-121K	120	3.72	200m
CD32-151K	150	4.29	190m

CD32-181K	180	4.81	170m
CD32-221K	220	6.63	160m
CD32-271K	270	7.80	130m
CD32-331K	330	9.49	125m
CD32-391K	390	10.53	120m
CD32-471K	470	12.05	90m
CD32-561K	560	13.26	80m
CD32-681K	680	18.20	70m
CD32-821K	820	23.40	60m
<b>PART No.</b>	<b>NOMINAL INDUCTANCE ( uH )</b>	<b>DCR ( Ω ) MAX</b>	<b>IDC ( A )</b>
CD42-1R2M	1.2	22.00m	1.25
CD42-1R5M	1.5	25.00m	1.20
CD42-2R2M	2.2	45.00m	1.00
CD42-4R7M	4.7	72.00m	642m
CD42-5R6M	5.6	81.00m	600m
CD42-6R8M	6.8	100.00m	562m
CD42-8R2M	8.2	107.00m	517m
CD42-100K	10	143.00m	451m
CD42-120K	12	163.00m	400m
CD42-150K	15	195.00m	390m
CD42-180K	18	247.00m	333m
CD42-220K	22	300.00m	312m
CD42-270K	27	338.00m	278m
CD42-330K	33	420.00m	250m
CD42-390K	39	495.00m	240m
CD42-470K	47	618.00m	210m
CD42-560K	56	728.00m	193m
CD42-680K	68	870.00m	189m
CD42-820K	82	1.03	166m
CD42-101K	100	1.37	155m
CD42-121K	120	1.53	146m
CD42-151K	150	1.87	121m
CD42-181K	180	2.34	108m
CD42-221K	220	2.73	97.2m
CD42-271K	270	3.61	93.6m

CD42-331K	330	4.32	82.8m
CD42-391K	390	5.40	73.8m
CD42-471K	470	6.33	68.5m
<b>PART No.</b>	<b>NOMINAL INDUCTANCE ( <math>\mu</math>H )</b>	<b>DCR ( <math>\Omega</math> )MAX</b>	<b>IDC (A)</b>
CD43-1R0M	1.0	20.00m	2.60
CD43-1R5M	1.5	32.00m	2.46
CD43-2R2M	2.2	42.00m	2.30
CD43-3R3M	3.3	51.00m	2.10
CD43-3R9M	3.9	72.80m	1.90
CD43-4R7M	4.7	76.00m	1.60
CD43-5R6M	5.6	83.00m	1.45
CD43-6R8M	6.8	100.00m	1.35
CD43-8R2M	8.2	120.00m	1.30
CD43-100K	10	150.00m	1.00
CD43-120K	12	155.00m	900m
CD43-150K	15	195.00m	800m
CD43-180K	18	230.00m	700m
CD43-220K	22	270.00m	600m
CD43-270K	27	310.00m	550m
CD43-330K	33	345.00m	500m
CD43-390K	39	400.00m	480m
CD43-470K	47	525.00m	400m
CD43-560K	56	595.00m	380m
CD43-680K	68	740.00m	330m
CD43-820K	82	880.00m	290m
CD43-101K	100	1.20	260m
CD43-121K	120	1.25	240m
CD43-151K	150	1.60	220m
CD43-181K	180	2.00	190m
CD43-221K	220	2.35	180m
CD43-271K	270	3.25	160m
CD43-331K	330	3.55	150m
CD43-391K	390	4.20	130m
CD43-471K	470	4.90	120m
CD43-561K	560	6.50	100m

CD43-681K	680	8.30	90m
PART No.	NOMINAL INDUCTANCE ( $\mu$ H )	DCR ( $\Omega$ )MAX	IDC (A)
CD51-1R0M	1.0	25.00m	2.80
CD51-1R5M	1.5	32.00m	2.50
CD51-1R8M	1.8	35.00m	2.30
CD51-2R2M	2.2	46.00m	2.15
CD51-2R5M	2.5	54.60m	1.95
CD51-3R3M	3.3	69.00m	1.60
CD51-3R9M	3.9	83.20m	1.45
CD51-4R7M	4.7	91.00m	1.43
CD51-5R6M	5.6	103.00m	1.40
CD51-6R8M	6.8	121.00m	1.20
CD51-8R2M	8.2	165.00m	950m
CD51-100K	10	192.00m	900m
CD51-120K	12	208.00m	870m
CD51-150K	15	259.00m	840m
CD51-180K	18	280.00m	820m
CD51-220K	22	389.00m	690m
CD51-270K	27	411.00m	680m
CD51-330K	33	533.00m	625m
CD51-390K	39	611.00m	615m
CD51-470K	47	735.00m	535m
CD51-560K	56	857.00m	525m
CD51-680K	68	1.04	490m
CD51-820K	82	1.35	470m
CD51-101K	100	1.56	360m
CD51-121K	120	1.68	340m
CD51-151K	150	2.37	300m
CD51-181K	180	2.62	285m
CD51-221K	220	3.21	270m
CD51-271K	270	5.16	235m
CD51-331K	330	6.00	215m
CD51-391K	390	6.46	200m
CD51-471K	470	7.53	160m
CD51-561K	560	9.62	140m

CD51-681K	680	11.02	120m
CD51-821K	820	12.60	100m
<b>PART No.</b>	<b>NOMINAL INDUCTANCE ( uH )</b>	<b>DCR ( Ω )MAX</b>	<b>IDC (A)</b>
CD52-1R0M	1.0	13.70m	3.55
CD52-1R5M	1.5	28.60m	3.40
CD52-1R8M	1.8	30.00m	2.50
CD52-2R2M	2.2	32.50m	2.35
CD52-2R7M	2.7	35.00m	2.30
CD52-3R3M	3.3	48.00m	2.20
CD52-3R9M	3.9	63.50m	2.10
CD52-4R7M	4.7	75.00m	1.95
CD52-5R6M	5.6	87.60m	1.75
CD52-6R8M	6.8	95.00m	1.56
CD52-8R2M	8.2	118.00m	1.50
CD52-100K	10	151.00m	1.40
CD52-120K	12	156.00m	1.25
CD52-150K	15	234.00m	1.11
CD52-180K	18	240.00m	1.00
CD52-220K	22	298.00m	950m
CD52-270K	27	325.00m	930m
CD52-330K	33	408.00m	840m
CD52-390K	39	434.00m	780m
CD52-470K	47	569.00m	730m
CD52-560K	56	638.00m	710m
CD52-680K	68	800.00m	580m
CD52-820K	82	880.00m	515m
CD52-101K	100	1.13	460m
CD52-121K	120	1.33	420m
CD52-151K	150	1.92	380m
CD52-181K	180	1.93	330m
CD52-221K	220	2.50	320m
CD52-271K	270	3.02	310m
CD52-331K	330	3.87	285m
CD52-391K	390	4.47	225m
CD52-471K	470	5.66	215m

CD52-561K	560	6.33	195m
CD52-681K	680	7.53	185m
CD52-821K	820	9.54	160m
<b>PART No.</b>	<b>NOMINAL INDUCTANCE ( <math>\mu</math>H )</b>	<b>DCR ( <math>\Omega</math> )MAX</b>	<b>IDC (A)</b>
CD53-1R0M	1.0	16.50m	3.70
CD53-1R5M	1.5	19.50m	3.50
CD53-1R8M	1.8	22.00m	3.00
CD53-2R2M	2.2	25.00m	2.85
CD53-2R5M	2.5	33.80m	2.70
CD53-3R3M	3.3	39.50m	2.40
CD53-3R9M	3.9	46.00m	2.25
CD53-4R7M	4.7	52.00m	1.90
CD53-5R6M	5.6	58.00m	1.88
CD53-6R8M	6.8	71.20m	1.87
CD53-8R2M	8.2	80.60m	1.82
CD53-100K	10	93.60m	1.78
CD53-120K	12	126.00m	1.60
CD53-150K	15	139.00m	1.58
CD53-180K	18	160.00m	1.30
CD53-220K	22	192.40m	1.29
CD53-270K	27	242.00m	1.10
CD53-330K	33	325.00m	950m
CD53-390K	39	369.00m	920m
CD53-470K	47	435.50m	820m
CD53-560K	56	552.50m	800m
CD53-680K	68	628.00m	760m
CD53-820K	82	785.00m	670m
CD53-101K	100	848.00m	615m
CD53-121K	120	1.03	600m
CD53-151K	150	1.44	480m
CD53-181K	180	1.64	430m
CD53-221K	220	2.08	370m
CD53-271K	270	2.46	330m
CD53-331K	330	3.71	300m
CD53-391K	390	4.24	255m

CD53-471K	470	4.42	235m
CD53-561K	560	4.68	220m
CD53-681K	680	6.42	210m
CD53-821K	820	7.36	180m
PART No.	NOMINAL INDUCTANCE ( $\mu$ H )	DCR ( $\Omega$ )MAX	IDC (A)
CD54-1R0M	1.0	13.00m	5.40
CD54-1R5M	1.5	16.90m	4.70
CD54-1R8M	1.8	19.50m	4.50
CD54-2R2M	2.2	22.10m	4.00
CD54-3R3M	3.3	31.20m	3.70
CD54-3R9M	3.9	36.40m	3.20
CD54-4R7M	4.7	52.00m	3.10
CD54-5R6M	5.6	54.60m	2.80
CD54-6R8M	6.8	58.50m	2.40
CD54-8R2M	8.2	62.40m	2.00
CD54-100K	10	87.90m	1.42
CD54-120K	12	75.40m	1.38
CD54-150K	15	105.30m	1.28
CD54-180K	18	117.00m	1.22
CD54-220K	22	169.00m	1.10
CD54-270K	27	153.40m	950m
CD54-330K	33	208.00m	860m
CD54-390K	39	214.50m	780m
CD54-470K	47	355.00m	710m
CD54-560K	56	377.00m	660m
CD54-680K	68	390.00m	600m
CD54-820K	82	416.00m	570m
CD54-101K	100	611.00m	510m
CD54-121K	120	754.00m	470m
CD54-151K	150	845.00m	380m
CD54-181K	180	1.04	360m
CD54-221K	220	1.45	340m
CD54-271K	270	1.51	310m
CD54-331K	330	1.76	280m
CD54-391K	390	2.08	260m

CD54-471K	470	2.99	240m
CD54-561K	560	3.12	220m
CD54-681K	680	3.90	200m
CD54-821K	820	5.20	190m
PART No.	NOMINAL INDUCTANCE ( $\mu$ H )	DCR ( $\Omega$ )MAX	IDC (A)
CD73-1R2M	1.0	9.10m	5.60
CD73-2R2M	2.2	14.30m	4.00
CD73-2R7M	2.7	16.90m	3.50
CD73-3R3M	3.3	19.50m	3.00
CD73-3R9M	3.9	22.10m	2.50
CD73-4R7M	4.7	26.00m	2.00
CD73-5R6M	5.6	31.20m	1.80
CD73-6R8M	6.8	39.00m	1.70
CD73-8R2M	8.2	45.50m	1.55
CD73-100K	10	55.90m	1.43
CD73-120K	12	59.80m	1.38
CD73-150K	15	72.80m	1.23
CD73-180K	18	85.80m	1.10
CD73-220K	22	117.00m	1.06
CD73-270K	27	130.00m	930m
CD73-330K	33	162.50m	820m
CD73-390K	39	192.40m	720m
CD73-470K	47	214.50m	680m
CD73-560K	56	247.00m	620m
CD73-680K	68	312.00m	580m
CD73-820K	82	338.00m	530m
CD73-101K	100	481.00m	500m
CD73-121K	120	520.00m	480m
CD73-151K	150	663.00m	410m
CD73-181K	180	715.00m	360m
CD73-221K	220	936.00m	300m
CD73-271K	270	1.10	280m
CD73-331K	330	1.30	270m
CD73-391K	390	1.60	240m
CD73-471K	470	1.86	220m

CD73-561K	560	2.34	200m
CD73-681K	680	2.60	190m
CD73-821K	820	3.50	170m
<b>PART No.</b>	<b>NOMINAL INDUCTANCE ( <math>\mu</math>H )</b>	<b>DCR ( <math>\Omega</math> )MAX</b>	<b>IDC (A)</b>
CD75-1R0N	1.0	13.00m	5.20
CD75-2R2M	2.2	15.70m	4.75
CD75-2R7M	2.7	16.90m	4.60
CD75-3R3M	3.3	19.50m	4.00
CD75-3R9M	3.9	23.40m	4.00
CD75-4R7M	4.7	26.00m	3.80
CD75-5R6M	5.6	27.30m	3.10
CD75-6R8M	6.8	32.50m	2.80
CD75-8R2M	8.2	39.00m	2.52
CD75-100K	10	41.60m	2.31
CD75-120K	12	49.40m	2.00
CD75-150K	15	71.50m	1.81
CD75-180K	18	84.50m	1.59
CD75-220K	22	91.00m	1.50
CD75-270K	27	106.60m	1.28
CD75-330K	33	119.60m	1.20
CD75-390K	39	149.50m	1.08
CD75-470K	47	175.50m	1.05
CD75-560K	56	208.00m	930m
CD75-680K	68	234.00m	830m
CD75-820K	82	273.00m	780m
CD75-101K	100	325.00m	730m
CD75-121K	120	390.00m	650m
CD75-151K	150	520.00m	580m
CD75-181K	180	598.00m	510m
CD75-221K	220	793.00m	480m
CD75-271K	270	884.00m	400m
CD75-331K	330	1.13	390m
CD75-391K	390	1.30	350m
CD75-471K	470	1.68	330m
CD75-561K	560	1.90	300m

CD75-681K	680	2.47	270m
CD75-821K	820	2.86	250m
<b>PART No.</b>	<b>NOMINAL INDUCTANCE ( uH )</b>	<b>DCR ( <math>\Omega</math> )MAX</b>	<b>IDC (A)</b>
CD105-1R0M	1.0	8.45m	8.00
CD105-1R4M	1.4	13.78m	6.80
CD105-1R5M	1.5	13.78m	6.80
CD105-1R8M	1.8	15.60m	6.50
CD105-2R7M	2.7	17.81m	5.50
CD105-3R3M	3.3	19.50m	5.00
CD105-4R7M	4.7	22.10m	4.60
CD105-5R6M	5.6	23.79m	4.00
CD105-6R8M	6.8	26.00m	3.60
CD105-8R2M	8.2	31.20m	3.20
CD105-100K	10	34.45m	2.58
CD105-120K	12	40.30m	2.44
CD105-150K	15	45.50m	2.26
CD105-180K	18	48.49m	2.13
CD105-220K	22	70.20m	1.93
CD105-270K	27	84.11m	1.74
CD105-330K	33	92.30m	1.46
CD105-390K	39	124.80m	1.36
CD105-470K	47	135.20m	1.26
CD105-560K	56	158.60m	1.15
CD105-680K	68	200.20m	1.10
CD105-820K	82	230.10m	980m
CD105-101K	100	260.00m	950m
CD105-121K	120	351.00m	870m
CD105-151K	150	403.00m	740m
CD105-181K	180	494.00m	700m
CD105-221K	220	572.00m	650m
CD105-271K	270	728.00m	540m
CD105-331K	330	845.00m	500m
CD105-391K	390	1.04	460m
CD105-471K	470	1.18	400m
CD105-561K	560	1.42	300m

CD105-681K	680	1.99	280m
CD105-821K	820	2.03	240m
PART No.	NOMINAL INDUCTANCE ( $\mu\text{H}$ )	DCR ( $\Omega$ )MAX	IDC (A)
CD106-1R0M	1.0	8m	9.00
CD106-150K	15	43m	2.90
CD106-220K	22	53m	2.40
CD106-330K	33	82m	1.90
CD106-470K	47	120m	1.60
CD106-680K	68	156m	1.20
CD106-101K	100	250m	2.20
CD106-151K	150	364m	860m
CD106-221K	220	494m	710m
CD106-331K	330	724m	580m
CD106-471K	470	1.00	600m
CD106-102K	1000	2.70	300m
CD106-122K	1200	3.00	480m

※ 测试条件： $L \leq 8.2\mu\text{H}$  测试频率100KHz / 0.25V, ( $M \pm 20\%$ );

$L > 8.2\mu\text{H}$  测试频率1KHz / 0.25V, ( $K \pm 10\%$ );

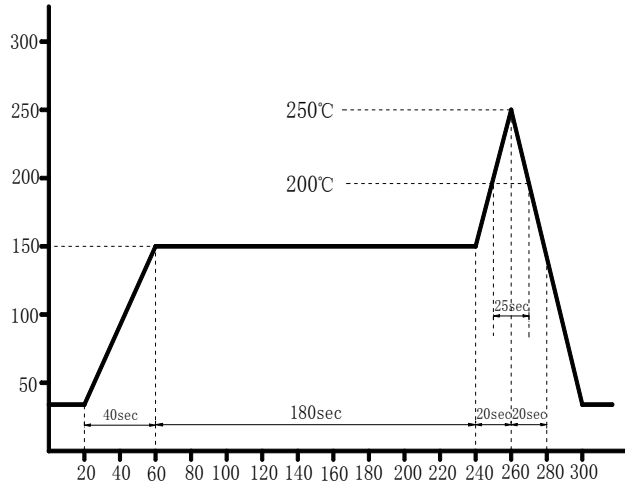
※ 测试仪表：Chroma1320、HIOKI 3540、CH1062。

## 电气参数

项 目	性 能	试 验 方 法
直流叠加特性	加额定电流时电感值的变化 为初始值的10%以内	用LCR及相应的偏置电源 测定
温度变化	40℃以内	加额定电流，用表面温度计 测其温度
过载试验	产品主体不发生表面 碎裂、烧焦、终端 无松动，无开路等现象	施1.2倍的额定电流持续5分钟 。
绝缘电阻	100M $\Omega$ 以上	在两电极间施加250V 直流电压持续5分钟
使用温度	包括产品自身发热温度	-40℃~100℃

存储温度特性	产品外观无异常 特性规格范围内	-40℃~100℃
耐湿特性	产品外观无异常 特性规格范围内	1. 温度: 40 ± 2℃; 2. 湿度: 90%~95%; 3. 时间: 96 ± 2小时。

### 推荐焊接温度曲线图



**LEAD-FREE**

