

# CD 系列功率电感 CDSeries SMD Power Inductors



## 特征 FEATURES

- 多种不同尺寸结构适合高密度表面贴装
- Various high power surface mountable type inductors are superior to high saturation

## 应用 APPLICATIONS

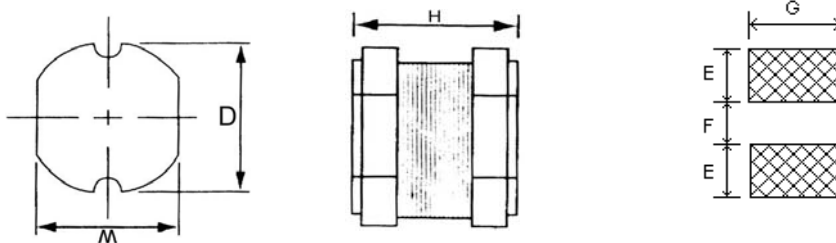
- 移动通信, 笔记本电脑
- LCD 电视
- DC/DC 转换
- Portable communication equipment, Notebook Computer
- LCD television
- DC/DC converters

## 产品规格型号表示方法 ORDERING CODE

CD	54	—	150	M	T
①	②		③	④	⑤

① 产品代号 Code		② 规格尺寸 Dimensions (L×W×T) (mm)		③ 感量(μH) Inductance		④ 误差 Tolerance		⑤ 包装方式 Packaging Style	
CD	CD 系列 功率电感	43	4.5×4.0×3.2	150	15	K	±10%	T	Tape&Reel
		54	5.8×5.2×4.5	101	100	L	±15%	B	Bulk
		75	7.8×7.0×5.0	102	1000	M	±20%		
		105	10.0×9.0×5.4						

## 外形尺寸 Dimensions



单位(Unit): mm

	CD32	CD43	CD54	CD73	CD75	CD104	CD105
D	3.5±0.3	4.5±0.3	5.8±0.3	7.8±0.3	7.8±0.3	10.0±0.3	10.0±0.3
H	2.1±0.3	3.2±0.3	4.5±0.3	3.5±0.4	5.0±0.4	4.0±0.4	5.4±0.3
W	3.0±0.3	4.0±0.3	5.2±0.3	7.0±0.3	7.0±0.3	9.0±0.3	9.0±0.3
E	1.3±0.3	2.1±0.3	2.5±0.3	3.3±0.3	3.3±0.3	4.4±0.3	4.4±0.3
F	0.9±0.3	1.0±0.3	1.1±0.3	1.4±0.3	1.4±0.3	1.8±0.3	1.8±0.3
G	3.0±0.3	4.0±0.3	5.8±0.3	8.0±0.3	8.0±0.3	10.0±0.3	10.0±0.3

## 电性能参数 Electrical Characteristics

### CD32 Series

Part Number	Inductance (μH)	DCR (Ω)Max	Isat(A)
CD32-100MT	10	0.23	0.760
CD32-120MT	12	0.27	0.685
CD32-150MT	15	0.31	0.635

Part Number	Inductance ( $\mu\text{H}$ )	DCR ( $\Omega$ )Max	Isat(A)
CD32-180MT	18	0.41	0.525
CD32-220MT	22	0.47	0.500
CD32-270MT	27	0.66	0.405
CD32-330KT	33	0.76	0.380
CD32-390KT	39	0.85	0.355
CD32-470KT	47	0.97	0.330
CD32-560KT	56	1.25	0.290
CD32-680KT	68	1.45	0.275
CD32-101KT	100	2.20	0.220
CD32-121KT	120	2.90	0.185
CD32-151KT	150	3.40	0.170
CD32-181KT	180	3.90	0.165
CD32-221KT	220	4.50	0.155
CD32-271KT	270	6.00	0.135
CD32-331KT	330	7.00	0.125
CD32-391KT	390	7.80	0.115

## CD43 Series

Part Number	Inductance ( $\mu\text{H}$ )	DCR ( $\Omega$ )Max	Isat(A)
CD43-1R0MT	1.0	0.045	3.50
CD43-1R5MT	1.5	0.055	2.85
CD43-1R8MT	1.8	0.060	2.80
CD43-2R2MT	2.2	0.070	2.40
CD43-2R7MT	2.7	0.075	2.30
CD43-3R3MT	3.3	0.085	2.25
CD43-3R9MT	3.9	0.090	1.70
CD43-4R7MT	4.7	0.105	1.65
CD43-5R6MT	5.6	0.120	1.60
CD43-6R8MT	6.8	0.130	1.40
CD43-8R2MT	8.2	0.145	1.30
CD43-100MT	10	0.180	1.10
CD43-120MT	12	0.210	1.00
CD43-150MT	15	0.235	0.85
CD43-180MT	18	0.330	0.80
CD43-220MT	22	0.360	0.70
CD43-270MT	27	0.520	0.65
CD43-330KT	33	0.540	0.60
CD43-390KT	39	0.580	0.55
CD43-470KT	47	0.840	0.48
CD43-560KT	56	0.930	0.46
CD43-680KT	68	1.110	0.44
CD43-820KT	82	1.250	0.42
CD43-101KT	100	1.400	0.40
CD43-221KT	220	2.460	0.27
CD43-331KT	330	4.000	0.25
CD43-471KT	470	5.500	0.16
CD43-561KT	560	7.000	0.15

## CD54 Series

Part Number	Inductance ( $\mu\text{H}$ )	DCR ( $\Omega$ )Max	Isat(A)
CD54-4R7MT	4.7	0.038	2.50
CD54-6R8MT	6.8	0.055	2.00

Part Number	Inductance (μH)	DCR (Ω)Max	Isat(A)
CD54-100MT	10	0.10	1.65
CD54-120MT	12	0.12	1.55
CD54-150MT	15	0.14	1.40
CD54-180MT	18	0.15	1.25
CD54-220MT	22	0.18	1.10
CD54-270MT	27	0.20	0.95
CD54-330LT	33	0.22	0.90
CD54-390LT	39	0.30	0.80
CD54-470LT	47	0.35	0.75
CD54-560KT	56	0.40	0.70
CD54-680KT	68	0.45	0.65
CD54-820KT	82	0.60	0.60
CD54-101KT	100	0.70	0.55
CD54-121KT	120	0.85	0.45
CD54-151KT	150	1.10	0.43
CD54-181KT	180	1.35	0.40
CD54-221KT	220	1.55	0.35
CD54-331KT	330	2.00	0.30
CD54-471KT	470	2.50	0.25

## CD73 Series

Part Number	Inductance (μH)	DCR (Ω)Max	Isat(A)
CD73-100MT	10	0.080	2.10
CD73-120MT	12	0.090	1.80
CD73-150MT	15	0.095	1.70
CD73-180MT	18	0.110	1.40
CD73-220MT	22	0.130	1.35
CD73-270MT	27	0.145	1.25
CD73-330LT	33	0.170	1.05
CD73-390LT	39	0.215	0.95
CD73-470LT	47	0.250	0.90
CD73-560KT	56	0.280	0.80
CD73-680KT	68	0.330	0.75
CD73-820KT	82	0.405	0.70
CD73-101KT	100	0.480	0.65
CD73-121KT	120	0.535	0.60
CD73-151KT	150	0.750	0.55
CD73-181KT	180	1.020	0.50
CD73-221KT	220	1.200	0.45
CD73-271KT	270	1.305	0.37
CD73-331KT	330	1.495	0.35
CD73-471KT	470	2.200	0.30

## CD75 Series

Part Number	Inductance (μH)	DCR (Ω)Max	Isat(A)
CD75-100MT	10	0.07	2.55
CD75-120MT	12	0.08	2.40
CD75-150MT	15	0.09	2.00
CD75-180MT	18	0.10	1.95
CD75-220MT	22	0.11	1.70
CD75-270MT	27	0.12	1.55
CD75-330LT	33	0.13	1.40

Part Number	Inductance ( $\mu\text{H}$ )	DCR ( $\Omega$ )Max	Isat(A)
CD75-390LT	39	0.15	1.35
CD75-470LT	47	0.17	1.25
CD75-560KT	56	0.23	1.10
CD75-680KT	68	0.25	1.00
CD75-820KT	82	0.35	0.95
CD75-101KT	100	0.40	0.78
CD75-121KT	120	0.45	0.73
CD75-151KT	150	0.60	0.70
CD75-181KT	180	0.70	0.60
CD75-221KT	220	0.95	0.55
CD75-271KT	270	1.10	0.50
CD75-331KT	330	1.25	0.45
CD75-391KT	390	1.75	0.40
CD75-471KT	470	1.95	0.35

## CD104 Series

Part Number	Inductance ( $\mu\text{H}$ )	DCR ( $\Omega$ )Max	Isat(A)
CD104-100MT	10	0.05	2.90
CD104-120MT	12	0.06	2.80
CD104-150MT	15	0.07	2.30
CD104-180MT	18	0.08	2.15
CD104-220MT	22	0.09	2.10
CD104-270MT	27	0.10	1.90
CD104-330LT	33	0.12	1.85
CD104-390LT	39	0.15	1.45
CD104-470LT	47	0.17	1.35
CD104-560KT	56	0.20	1.30
CD104-680KT	68	0.22	1.20
CD104-820KT	82	0.25	1.00
CD104-101KT	100	0.30	0.95
CD104-121KT	120	0.40	0.90
CD104-151KT	150	0.50	0.80
CD104-181KT	180	0.62	0.70
CD104-221KT	220	0.72	0.65
CD104-271KT	270	0.95	0.57
CD104-331KT	330	1.10	0.55
CD104-391KT	390	1.20	0.50
CD104-471KT	470	1.52	0.45
CD104-561KT	560	1.90	0.40

## CD105 Series

Part Number	Inductance ( $\mu\text{H}$ )	DCR ( $\Omega$ )Max	Isat(A)
CD105-100MT	10	0.06	3.80
CD105-120MT	12	0.07	3.40
CD105-150MT	15	0.08	2.90
CD105-180MT	18	0.09	2.65
CD105-220MT	22	0.10	2.50
CD105-270MT	27	0.11	2.25
CD105-330LT	33	0.12	2.00
CD105-390LT	39	0.13	1.90
CD105-470LT	47	0.15	1.70
CD105-560KT	56	0.19	1.60

Part Number	Inductance (μH)	DCR (Ω)Max	Isat(A)
CD105-680KT	68	0.22	1.45
CD105-820KT	82	0.25	1.30
CD105-101KT	100	0.33	1.15
CD105-121KT	120	0.40	1.00
CD105-151KT	150	0.45	0.95
CD105-181KT	180	0.60	0.85
CD105-221KT	220	0.70	0.75
CD105-271KT	270	0.95	0.70
CD105-331KT	330	1.10	0.60
CD105-391KT	390	1.20	0.55
CD105-471KT	470	1.45	0.50
CD105-561KT	560	1.90	0.48
CD105-681KT	680	2.25	0.45
CD105-821KT	820	2.50	0.40

电感量公差 Inductance tolerance: K: ±10% L: ±15% M: ±20%

Ls 测试频率 Measuring Freq(L): 1.0 μH~8.2 μH(7.96MHz) 10 μH~82 μH(2.52MHz) 100 μH~680 μH(1KHz)

额定电流的测试是当加载额定电流时电感量下降≤10%，器件温升Δt≤40℃。Rated Current applied when inductance drop not more than 10% or temperature rise Δt≤40℃ whichever is lower.