东莞市振宝佳电子有限公司
Dongguan Zhenbaojia Electronics Co., Ltd.

CD Power Inductors
功率电感系列

■ Features

1.Excellent solderability and high hea resistance.
2.Excellent terminal strength construction.
3.Packed in embossed carrier tape and can be used by automatic mounting machine.

● 特征

1.絕佳的焊錫性及高溫耐熱性。
2.絕佳的端面強度結構。
3.捲軸包裝，可用於自動插件機器。

■ Applications

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

● 用途

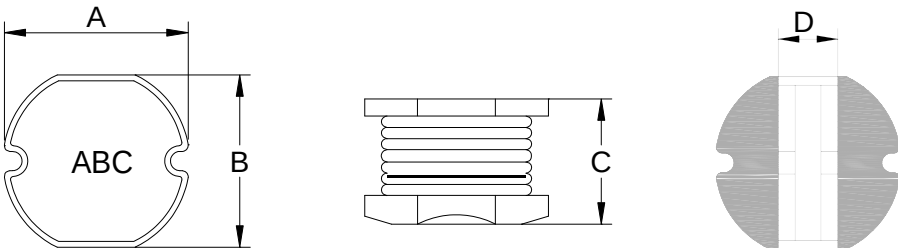
VCR、辦公室自動設備、液晶電視機、筆記型電腦、直流-直流整流器、直流-交流換流器等的電源供應器。

■ Fead Lree Part Numbering

CD	43	—	1R0	M
A	B		C	D

A.Series
B.Dimension A x C
C.Inductance 1R0=1.0uH,100=10uH,101=100uH
D.Inductance Tolerance K=±10%,M=±20%

■ Dimensions



Series	A	B	C	D ref
CD31	3.5±0.3	3.0±0.3	1.6±0.3	1.0
CD32	3.5±0.3	3.0±0.3	2.1±0.3	1.0
CD42	4.5±0.3	4.0±0.3	2.0±0.3	1.4
CD43	4.5±0.3	4.0±0.3	3.2±0.3	1.4
CD52	5.8±0.3	5.2±0.3	2.0±0.3	1.6
CD53	5.8±0.3	5.2±0.3	3.0±0.3	1.6
CD54	5.8±0.3	5.2±0.3	4.5±0.3	1.6
CD73	7.8±0.3	7.0±0.3	3.5±0.3	2.4
CD75	7.8±0.3	7.0±0.3	5.0±0.3	2.4
CD104	10.0±0.3	9.0±0.3	4.0±0.3	3.1
CD105	10.0±0.3	9.0±0.3	5.4±0.3	3.1

Unit:mm

■CD31 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD31-1R0M	1.0±20%	100K/0.3V	0.048	1.60
CD31-1R5M	1.5±20%	100K/0.3V	0.078	1.55
CD31-2R2M	2.2±20%	100K/0.3V	0.100	1.47
CD31-3R3M	3.3±20%	100K/0.3V	0.126	1.34
CD31-3R9M	3.9±20%	100K/0.3V	0.140	1.24
CD31-4R7M	4.7±20%	100K/0.3V	0.158	1.22
CD31-5R6M	5.6±20%	100K/0.3V	0.186	1.09
CD31-6R8M	6.8±20%	100K/0.3V	0.213	0.96
CD31-8R2M	8.2±20%	100K/0.3V	0.238	0.84
CD31-100M	10±20%	1K/0.3V	0.307	0.70
CD31-120M	12±20%	1K/0.3V	0.372	0.65
CD31-150M	15±20%	1K/0.3V	0.466	0.59
CD31-180M	18±20%	1K/0.3V	0.515	0.54
CD31-220M	22±20%	1K/0.3V	0.656	0.48
CD31-270M	27±20%	1K/0.3V	0.774	0.43
CD31-330M	33±20%	1K/0.3V	1.021	0.37
CD31-390M	39±20%	1K/0.3V	1.122	0.32
CD31-470M	47±20%	1K/0.3V	1.509	0.26
CD31-560M	56±20%	1K/0.3V	1.675	0.24
CD31-680M	68±20%	1K/0.3V	1.919	0.23
CD31-820M	82±20%	1K/0.3V	2.644	0.21
CD31-101M	100±20%	1K/0.3V	2.870	0.19
CD31-121M	120±20%	1K/0.3V	4.084	0.17
CD31-151M	150±20%	1K/0.3V	4.774	0.16
CD31-181M	180±20%	1K/0.3V	5.699	0.14

■CD32 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD32-1R0M	1.0±20%	100K/0.3V	0.035	3.34
CD32-2R2M	2.2±20%	100K/0.3V	0.059	2.35
CD32-3R3M	3.3±20%	100K/0.3V	0.098	1.83
CD32-4R7M	4.7±20%	100K/0.3V	0.137	1.50
CD32-5R6M	5.6±20%	100K/0.3V	0.157	1.36
CD32-6R8M	6.8±20%	100K/0.3V	0.196	1.22
CD32-8R2M	8.2±20%	100K/0.3V	0.230	1.09
CD32-100M	10±20%	1K/0.3V	0.286	0.95
CD32-120M	12±20%	1K/0.3V	0.322	0.88
CD32-150M	15±20%	1K/0.3V	0.398	0.82
CD32-180M	18±20%	1K/0.3V	0.520	0.76
CD32-220M	22±20%	1K/0.3V	0.660	0.63
CD32-270M	27±20%	1K/0.3V	0.760	0.62

■CD32 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD32-330M	33±20%	1K/0.3V	0.87	0.56
CD32-390M	39±20%	1K/0.3V	1.10	0.51
CD32-470M	47±20%	1K/0.3V	1.25	0.47
CD32-560M	56±20%	1K/0.3V	1.59	0.42
CD32-680M	68±20%	1K/0.3V	1.82	0.38
CD32-820M	82±20%	1K/0.3V	2.44	0.34
CD32-101M	100±20%	1K/0.3V	2.84	0.31
CD32-121M	120±20%	1K/0.3V	3.19	0.28
CD32-151M	150±20%	1K/0.3V	4.20	0.16
CD32-181M	180±20%	1K/0.3V	5.11	0.15
CD32-221M	220±20%	1K/0.3V	7.31	0.14
CD32-271M	270±20%	1K/0.3V	8.24	0.12
CD32-331M	330±20%	1K/0.3V	10.19	0.10

■CD42 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD42-2R7M	2.7±20%	100K/0.3V	0.065	1.50
CD42-4R7M	4.7±20%	100K/0.3V	0.095	1.40
CD42-100M	10±20%	1K/0.3V	0.18	0.97
CD42-220M	22±20%	1K/0.3V	0.45	0.60
CD42-260M	26±20%	1K/0.3V	0.47	0.55
CD42-330M	33±20%	1K/0.3V	0.50	0.54
CD42-390M	39±20%	1K/0.3V	0.70	0.50
CD42-470M	47±20%	1K/0.3V	0.80	0.48
CD42-560M	56±20%	1K/0.3V	0.90	0.45
CD42-101M	100±20%	1K/0.3V	1.50	0.10
CD42-151M	150±20%	1K/0.3V	2.30	0.09

■CD43 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD43-1R0M	1.0±20%	100K/0.3V	0.033	3.80
CD43-2R2M	2.2±20%	100K/0.3V	0.047	2.60
CD43-3R3M	3.3±20%	100K/0.3V	0.052	2.43
CD43-3R9M	3.9±20%	100K/0.3V	0.058	2.15
CD43-4R7M	4.7±20%	100K/0.3V	0.094	1.70
CD43-6R8M	6.8±20%	100K/0.3V	0.117	1.41
CD43-8R2M	8.2±20%	100K/0.3V	0.132	1.26

■CD43 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD43-100M	10±20%	1K/0.3V	0.182	1.15
CD43-120M	12±20%	1K/0.3V	0.210	1.05
CD43-150M	15±20%	1K/0.3V	0.235	0.92
CD43-180M	18±20%	1K/0.3V	0.338	0.84
CD43-220M	22±20%	1K/0.3V	0.378	0.76
CD43-270M	27±20%	1K/0.3V	0.522	0.71
CD43-330M	33±20%	1K/0.3V	0.540	0.64
CD43-390M	39±20%	1K/0.3V	0.587	0.59
CD43-470M	47±20%	1K/0.3V	0.844	0.54
CD43-560M	56±20%	1K/0.3V	0.937	0.50
CD43-680M	68±20%	1K/0.3V	1.117	0.46
CD43-820M	82±20%	1K/0.3V	1.180	0.43
CD43-101M	100±20%	1K/0.3V	1.190	0.41
CD43-121M	120±20%	1K/0.3V	1.220	0.38
CD43-151M	150±20%	1K/0.3V	1.400	0.35
CD43-181M	180±20%	1K/0.3V	1.500	0.31
CD43-221M	220±20%	1K/0.3V	1.641	0.29
CD43-271M	270±20%	1K/0.3V	2.890	0.26
CD43-331M	330±20%	1K/0.3V	3.760	0.20

■CD52 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD52-1R0M	1.0±20%	100K/0.3V	0.05	4.2
CD52-2R2M	2.2±20%	100K/0.3V	0.08	3.2
CD52-3R3M	3.3±20%	100K/0.3V	0.12	2.4
CD52-3R9M	3.9±20%	100K/0.3V	0.14	2.0
CD52-4R7M	4.7±20%	100K/0.3V	0.15	1.8
CD52-5R6M	5.6±20%	100K/0.3V	0.16	1.5
CD52-6R8M	6.8±20%	100K/0.3V	0.17	1.4
CD52-8R2M	8.2±20%	100K/0.3V	0.20	1.3
CD52-100M	10±20%	1K/0.3V	0.23	1.1
CD52-120M	12±20%	1K/0.3V	0.25	1.05
CD52-150M	15±20%	1K/0.3V	0.30	1.00
CD52-180M	18±20%	1K/0.3V	0.35	0.90
CD52-220M	22±20%	1K/0.3V	0.40	0.85
CD52-270M	27±20%	1K/0.3V	0.50	0.75
CD52-330M	33±20%	1K/0.3V	0.55	0.70
CD52-390M	39±20%	1K/0.3V	0.65	0.60
CD52-470M	47±20%	1K/0.3V	0.75	0.55
CD52-560M	56±20%	1K/0.3V	0.95	0.50

■CD52 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD52-680M	68±20%	1K/0.3V	1.20	0.45
CD52-820M	82±20%	1K/0.3V	1.40	0.40
CD52-101M	100±20%	1K/0.3V	1.75	0.35
CD52-121M	120±20%	1K/0.3V	2.0	0.25
CD52-151M	150±20%	1K/0.3V	2.6	0.22
CD52-181M	180±20%	1K/0.3V	3.7	0.18
CD52-221M	220±20%	1K/0.3V	4.0	0.19
CD52-271M	270±20%	1K/0.3V	4.2	0.20

■CD53 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD53-1R0M	1.0±20%	100K/0.3V	0.038	4.5
CD53-2R2M	2.2±20%	100K/0.3V	0.045	3.5
CD53-3R3M	3.3±20%	100K/0.3V	0.055	2.8
CD53-3R9M	3.9±20%	100K/0.3V	0.064	2.6
CD53-4R7M	4.7±20%	100K/0.3V	0.072	2.5
CD53-5R6M	5.6±20%	100K/0.3V	0.084	2.4
CD53-6R8M	6.8±20%	100K/0.3V	0.09	2.2
CD53-8R2M	8.2±20%	100K/0.3V	0.10	2.0
CD53-100M	10±20%	1K/0.3V	0.12	1.8
CD53-120M	12±20%	1K/0.3V	0.13	1.8
CD53-150M	15±20%	1K/0.3V	0.15	1.7
CD53-180M	18±20%	1K/0.3V	0.18	1.6
CD53-220M	22±20%	1K/0.3V	0.22	1.5
CD53-270M	27±20%	1K/0.3V	0.24	1.4
CD53-330M	33±20%	1K/0.3V	0.30	1.1
CD53-390M	39±20%	1K/0.3V	0.40	1.0
CD53-470M	47±20%	1K/0.3V	0.43	0.90
CD53-560M	56±20%	1K/0.3V	0.5	0.85
CD53-680M	68±20%	1K/0.3V	0.6	0.80
CD53-820M	82±20%	1K/0.3V	0.8	0.65
CD53-101M	100±20%	1K/0.3V	0.9	0.60
CD53-121M	120±20%	1K/0.3V	1.0	0.58
CD53-151M	150±20%	1K/0.3V	1.3	0.43
CD53-181M	180±20%	1K/0.3V	1.5	0.41
CD53-221M	220±20%	1K/0.3V	2.0	0.38
CD53-271M	270±20%	1K/0.3V	2.5	0.35
CD53-331M	330±20%	1K/0.3V	3.2	0.28

■CD54 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD54-1R0M	1.0±20%	100K/0.3V	0.020	5.0
CD54-1R5M	1.5±20%	100K/0.3V	0.025	4.8
CD54-2R2M	2.2±20%	100K/0.3V	0.017	4.5
CD54-2R7M	2.7±20%	100K/0.3V	0.030	3.5
CD54-3R3M	3.3±20%	100K/0.3V	0.034	3.0
CD54-4R7M	4.7±20%	100K/0.3V	0.04	2.8
CD54-6R8M	6.8±20%	100K/0.3V	0.08	2.5
CD54-100M	10±20%	1K/0.3V	0.10	1.44
CD54-120M	12±20%	1K/0.3V	0.12	1.40
CD54-150M	15±20%	1K/0.3V	0.14	1.30
CD54-180M	18±20%	1K/0.3V	0.15	1.23
CD54-220M	22±20%	1K/0.3V	0.18	1.11
CD54-270M	27±20%	1K/0.3V	0.20	0.97
CD54-330M	33±20%	1K/0.3V	0.23	0.88
CD54-390M	39±20%	1K/0.3V	0.32	0.80
CD54-470M	47±20%	1K/0.3V	0.37	0.72
CD54-560M	56±20%	1K/0.3V	0.42	0.68
CD54-680M	68±20%	1K/0.3V	0.46	0.61
CD54-820M	82±20%	1K/0.3V	0.60	0.58
CD54-101M	100±20%	1K/0.3V	0.70	0.52
CD54-121M	120±20%	1K/0.3V	0.93	0.48
CD54-151M	150±20%	1K/0.3V	1.10	0.40
CD54-181M	180±20%	1K/0.3V	1.38	0.38
CD54-221M	220±20%	1K/0.3V	1.57	0.35

■CD73 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD73-1R0M	1.0±20%	100K/0.3V	0.018	7.0
CD73-1R5M	1.5±20%	100K/0.3V	0.020	6.0
CD73-2R2M	2.2±20%	100K/0.3V	0.023	5.0
CD73-3R3M	3.3±20%	100K/0.3V	0.025	4.0
CD73-4R7M	4.7±20%	100K/0.3V	0.039	3.5
CD73-6R8M	6.8±20%	100K/0.3V	0.04	2.8
CD73-100M	10±20%	1K/0.3V	0.08	1.44
CD73-120M	12±20%	1K/0.3V	0.09	1.39
CD73-150M	15±20%	1K/0.3V	0.10	1.24
CD73-180M	18±20%	1K/0.3V	0.11	1.12
CD73-220M	22±20%	1K/0.3V	0.13	1.07
CD73-270M	27±20%	1K/0.3V	0.15	0.94
CD73-330M	33±20%	1K/0.3V	0.17	0.85
CD73-390M	39±20%	1K/0.3V	0.22	0.74

▪CD73 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD73-470M	47±20%	1K/0.3V	0.25	0.68
CD73-560M	56±20%	1K/0.3V	0.28	0.64
CD73-680M	68±20%	1K/0.3V	0.33	0.59
CD73-820M	82±20%	1K/0.3V	0.41	0.54
CD73-101M	100±20%	1K/0.3V	0.48	0.51
CD73-121M	120±20%	1K/0.3V	0.54	0.49

▪CD75 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD75-1R0M	1.0±20%	100K/0.3V	0.013	7.5
CD75-1R5M	1.5±20%	100K/0.3V	0.023	5.3
CD75-2R2M	2.2±20%	100K/0.3V	0.028	4.5
CD75-3R3M	3.3±20%	100K/0.3V	0.045	4.0
CD75-4R7M	4.7±20%	100K/0.3V	0.058	3.2
CD75-6R8M	6.8±20%	100K/0.3V	0.07	2.8
CD75-100M	10±20%	1K/0.3V	0.07	2.3
CD75-120M	12±20%	1K/0.3V	0.08	2.0
CD75-150M	15±20%	1K/0.3V	0.09	1.8
CD75-180M	18±20%	1K/0.3V	0.10	1.6
CD75-220M	22±20%	1K/0.3V	0.11	1.5
CD75-270M	27±20%	1K/0.3V	0.12	1.3
CD75-330M	33±20%	1K/0.3V	0.13	1.2
CD75-390M	39±20%	1K/0.3V	0.16	1.1
CD75-470M	47±20%	1K/0.3V	0.18	1.0
CD75-560M	56±20%	1K/0.3V	0.24	0.94
CD75-680M	68±20%	1K/0.3V	0.28	0.85
CD75-820M	82±20%	1K/0.3V	0.37	0.78
CD75-101M	100±20%	1K/0.3V	0.43	0.72
CD75-121M	120±20%	1K/0.3V	0.47	0.66
CD75-151M	150±20%	1K/0.3V	0.64	0.58
CD75-181M	180±20%	1K/0.3V	0.71	0.51
CD75-221M	220±20%	1K/0.3V	0.96	0.49
CD75-271M	270±20%	1K/0.3V	1.11	0.42
CD75-331M	330±20%	1K/0.3V	1.26	0.40
CD75-391M	390±20%	1K/0.3V	1.77	0.36
CD75-471M	470±20%	1K/0.3V	1.96	0.34

■CD104 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD104-1R0M	1.0±20%	100K/0.3V	0.012	8.70
CD104-1R5M	1.5±20%	100K/0.3V	0.020	5.40
CD104-2R2M	2.2±20%	100K/0.3V	0.028	2.85
CD104-3R3M	3.3±20%	100K/0.3V	0.038	2.75
CD104-4R7M	4.7±20%	100K/0.3V	0.040	2.70
CD104-6R8M	6.8±20%	100K/0.3V	0.042	2.65
CD104-100M	10±20%	1K/0.3V	0.048	2.60
CD104-120M	12±20%	1K/0.3V	0.05	2.38
CD104-150M	15±20%	1K/0.3V	0.07	1.87
CD104-180M	18±20%	1K/0.3V	0.08	1.73
CD104-220M	22±20%	1K/0.3V	0.09	1.60
CD104-270M	27±20%	1K/0.3V	0.10	1.44
CD104-330M	33±20%	1K/0.3V	0.12	1.26
CD104-390M	39±20%	1K/0.3V	0.15	1.20
CD104-470M	47±20%	1K/0.3V	0.17	1.10
CD104-560M	56±20%	1K/0.3V	0.20	1.01
CD104-680M	68±20%	1K/0.3V	0.22	0.91
CD104-820M	82±20%	1K/0.3V	0.25	0.85
CD104-101M	100±20%	1K/0.3V	0.34	0.74
CD104-121M	120±20%	1K/0.3V	0.40	0.69
CD104-151M	150±20%	1K/0.3V	0.54	0.61
CD104-181M	180±20%	1K/0.3V	0.62	0.56
CD104-221M	220±20%	1K/0.3V	0.72	0.53
CD104-271M	270±20%	1K/0.3V	0.95	0.45
CD104-331M	330±20%	1K/0.3V	1.10	0.42
CD104-391M	390±20%	1K/0.3V	1.24	0.38
CD104-471M	470±20%	1K/0.3V	1.53	0.35
CD104-561M	560±20%	1K/0.3V	1.90	0.32

■CD105 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD105-1R0M	1.0±20%	100K/0.3V	0.009	8.63
CD105-2R2M	2.2±20%	100K/0.3V	0.016	7.20
CD105-3R3M	3.3±20%	100K/0.3V	0.018	6.50
CD105-4R7M	4.7±20%	100K/0.3V	0.02	5.50
CD105-6R8M	6.8±20%	100K/0.3V	0.04	4.50
CD105-100M	10±20%	1K/0.3V	0.06	2.60
CD105-150M	15±20%	1K/0.3V	0.07	1.72
CD105-180M	18±20%	1K/0.3V	0.08	1.58
CD105-220M	22±20%	1K/0.3V	0.09	1.42

▪CD105 Series

Part Number	Inductance (uH)	Test Frepuency (Hz)	DCR (Ω)max	IDC (A)max
CD105-270M	27±20%	1K/0.3V	0.10	1.32
CD105-330M	33±20%	1K/0.3V	0.11	1.16
CD105-390M	39±20%	1K/0.3V	0.12	1.10
CD105-470M	47±20%	1K/0.3V	0.14	1.00
CD105-560M	56±20%	1K/0.3V	0.19	0.93
CD105-680M	68±20%	1K/0.3V	0.21	0.85
CD105-820M	82±20%	1K/0.3V	0.28	0.79
CD105-101M	100±20%	1K/0.3V	0.34	0.72
CD105-121M	120±20%	1K/0.3V	0.37	0.63
CD105-151M	150±20%	1K/0.3V	0.51	0.55
CD105-181M	180±20%	1K/0.3V	0.57	0.50
CD105-221M	220±20%	1K/0.3V	0.78	0.47
CD105-271M	270±20%	1K/0.3V	0.87	0.41
CD105-331M	330±20%	1K/0.3V	1.20	0.37
CD105-471M	470±20%	1K/0.3V	1.50	0.33
CD105-561M	560±20%	1K/0.3V	1.90	0.30
CD105-681M	680±20%	1K/0.3V	2.25	0.28
CD105-821M	820±20%	1K/0.3V	2.55	0.24

* The maximum rated current is a DC current which causes initial inductance to decrease by 25% or temperature to rise by 40℃,whichever is smaller(at ambient reference temperature:20 ℃).
* Operating Temperature:-25℃ to +85℃.