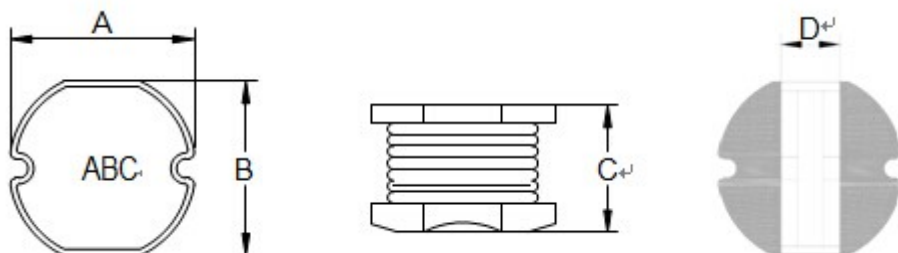




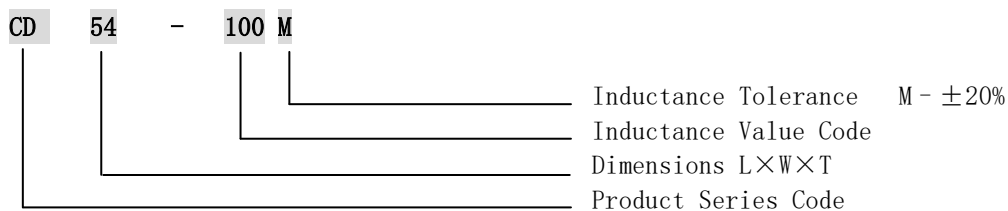
Shielded Power Inductors - (CD)

■ Dimensions and Construction



Series	A	B	C	D ref
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

■ Part Numbering System





■ Electrical Characteristics

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

* Operating Temperature: -30°C to +100°C.

■ CD32 Series

产品料号 Part Number	感值 Inductance	测试频率 Test Frequency	直流电阻 DCR	电流 IDC
Symbol 符号	uH	(Hz)	(Ω) max	(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	1.5
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	0.23	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	0.52	0.76
CD32-220M	22 ± 20%	1K/0.3V	0.66	0.63
CD32-270M	27 ± 20%	1K/0.3V	0.76	0.62
CD32-330M	33 ± 20%	1K/0.3V	0.87	0.56
CD32-390M	39 ± 20%	1K/0.3V	1.1	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	4.2	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	0.1



■CD42Series

产品料号 Part Number	感值 Inductance	测试频率 Test Frequency	直流电阻 DCR	电流 IDC
Symbol 符号	uH	(Hz)	(Ω)max	(A)max
CD42-2R7M	2.7 \pm 20%	100K/0.3V	0.065	1.5
CD42-4R7M	4.7 \pm 20%	100K/0.3V	0.095	1.4
CD42-100M	10 \pm 20%	1K/0.3V	0.18	0.97
CD42-220M	22 \pm 20%	1K/0.3V	0.45	0.6
CD42-260M	26 \pm 20%	1K/0.3V	0.47	0.55
CD42-330M	33 \pm 20%	1K/0.3V	0.5	0.54
CD42-390M	39 \pm 20%	1K/0.3V	0.7	0.5
CD42-470M	47 \pm 20%	1K/0.3V	0.8	0.48
CD42-560M	56 \pm 20%	1K/0.3V	0.9	0.45
CD42-101M	100 \pm 20%	1K/0.3V	1.5	0.1
CD42-151M	150 \pm 20%	1K/0.3V	2.3	0.09



■CD43series

产品料号 Part Number	感值 Inductance	测试频率 Test Frequency	直流电阻 DCR	电流 IDC
Symbol 符号	uH	(Hz)	(Ω)max	(A)max
CD43-1R0M	1.0 \pm 20%	100K/0.3V	0.033	3.8
CD43-2R2M	2.2 \pm 20%	100K/0.3V	0.047	2.6
CD43-3R3M	3.3 \pm 20%	100K/0.3V	0.052	2.43
CD43-3R9M	3.9 \pm 20%	100K/0.3V	0.058	2.15
CD43-4R7M	4.7 \pm 20%	100K/0.3V	0.094	1.7
CD43-6R8M	6.8 \pm 20%	100K/0.3V	0.117	1.41
CD43-8R2M	8.2 \pm 20%	100K/0.3V	0.132	1.26
CD43-100M	10 \pm 20%	1K/0.3V	0.182	1.15
CD43-120M	12 \pm 20%	1K/0.3V	0.21	1.05
CD43-150M	15 \pm 20%	1K/0.3V	0.235	0.92
CD43-180M	18 \pm 20%	1K/0.3V	0.338	0.84
CD43-220M	22 \pm 20%	1K/0.3V	0.378	0.76
CD43-270M	27 \pm 20%	1K/0.3V	0.522	0.71
CD43-330M	33 \pm 20%	1K/0.3V	0.54	0.64
CD43-390M	39 \pm 20%	1K/0.3V	0.587	0.59
CD43-470M	47 \pm 20%	1K/0.3V	0.844	0.54
CD43-560M	56 \pm 20%	1K/0.3V	0.937	0.5
CD43-680M	68 \pm 20%	1K/0.3V	1.117	0.46
CD43-820M	82 \pm 20%	1K/0.3V	1.18	0.43
CD43-101M	100 \pm 20%	1K/0.3V	1.19	0.41
CD43-121M	120 \pm 20%	1K/0.3V	1.22	0.38
CD43-151M	150 \pm 20%	1K/0.3V	1.4	0.35
CD43-181M	180 \pm 20%	1K/0.3V	1.5	0.31
CD43-221M	220 \pm 20%	1K/0.3V	1.641	0.29
CD43-271M	270 \pm 20%	1K/0.3V	2.89	0.26
CD43-331M	330 \pm 20%	1K/0.3V	3.76	0.2



■CD54eries

产品料号 Part Number	感值 Inductance	测试频率 Test Frequency	直流电阻 DCR	电流 IDC
Symbol 符号	uH	(Hz)	(Ω) max	(A) max
CD54-1R0M	1.0 \pm 20%	100K/0.3V	0.02	5
CD54-1R5M	1.5 \pm 20%	100K/0.3V	0.025	4.8
CD54-2R2M	2.2 \pm 20%	100K/0.3V	0.017	4.5
CD54-2R7M	2.7 \pm 20%	100K/0.3V	0.03	3.5
CD54-3R3M	3.3 \pm 20%	100K/0.3V	0.034	3
CD54-4R7M	4.7 \pm 20%	100K/0.3V	0.04	2.8
CD54-6R8M	6.8 \pm 20%	100K/0.3V	0.08	2.5
CD54-100M	10 \pm 20%	1K/0.3V	0.1	1.44
CD54-120M	12 \pm 20%	1K/0.3V	0.12	1.4
CD54-150M	15 \pm 20%	1K/0.3V	0.14	1.3
CD54-180M	18 \pm 20%	1K/0.3V	0.15	1.23
CD54-220M	22 \pm 20%	1K/0.3V	0.18	1.11
CD54-270M	27 \pm 20%	1K/0.3V	0.2	0.97
CD54-330M	33 \pm 20%	1K/0.3V	0.23	0.88
CD54-390M	39 \pm 20%	1K/0.3V	0.32	0.8
CD54-470M	47 \pm 20%	1K/0.3V	0.37	0.72
CD54-560M	56 \pm 20%	1K/0.3V	0.42	0.68
CD54-680M	68 \pm 20%	1K/0.3V	0.46	0.61
CD54-820M	82 \pm 20%	1K/0.3V	0.6	0.58
CD54-101M	100 \pm 20%	1K/0.3V	0.7	0.52
CD54-121M	120 \pm 20%	1K/0.3V	0.93	0.48
CD54-151M	150 \pm 20%	1K/0.3V	1.1	0.4
CD54-181M	180 \pm 20%	1K/0.3V	1.38	0.38
CD54-221M	220 \pm 20%	1K/0.3V	1.57	0.35



■CD73Series

产品料号 Part Number	感值 Inductance	测试频率 Test Frequency	直流电阻 DCR	电流 IDC
Symbol 符号	uH	(Hz)	(Ω)max	(A)max
CD73-1R0M	1.0 \pm 20%	100K/0.3V	0.018	7
CD73-1R5M	1.5 \pm 20%	100K/0.3V	0.02	6
CD73-2R2M	2.2 \pm 20%	100K/0.3V	0.023	5
CD73-3R3M	3.3 \pm 20%	100K/0.3V	0.025	4
CD73-4R7M	4.7 \pm 20%	100K/0.3V	0.039	3.5
CD73-6R8M	6.8 \pm 20%	100K/0.3V	0.04	2.8
CD73-100M	10 \pm 20%	1K/0.3V	0.08	1.44
CD73-120M	12 \pm 20%	1K/0.3V	0.09	1.39
CD73-150M	15 \pm 20%	1K/0.3V	0.1	1.24
CD73-180M	18 \pm 20%	1K/0.3V	0.11	1.12
CD73-220M	22 \pm 20%	1K/0.3V	0.13	1.07
CD73-270M	27 \pm 20%	1K/0.3V	0.15	0.94
CD73-330M	33 \pm 20%	1K/0.3V	0.17	0.85
CD73-390M	39 \pm 20%	1K/0.3V	0.22	0.74
CD73-470M	47 \pm 20%	1K/0.3V	0.25	0.68
CD73-560M	56 \pm 20%	1K/0.3V	0.28	0.64
CD73-680M	68 \pm 20%	1K/0.3V	0.33	0.59
CD73-820M	82 \pm 20%	1K/0.3V	0.41	0.54
CD73-101M	100 \pm 20%	1K/0.3V	0.48	0.51
CD73-121M	120 \pm 20%	1K/0.3V	0.54	0.49



■CD75Series

产品料号 Part Number	感值 Inductance	测试频率 Test Frequency	直流电阻 DCR	电流 IDC
Symbol 符号	uH	(Hz)	(Ω)max	(A)max
CD75-1R0M	1.0 \pm 20%	100K/0.3V	0.013	7.5
CD75-1R5M	1.5 \pm 20%	100K/0.3V	0.023	5.3
CD75-2R2M	2.2 \pm 20%	100K/0.3V	0.028	4.5
CD75-3R3M	3.3 \pm 20%	100K/0.3V	0.045	4
CD75-4R7M	4.7 \pm 20%	100K/0.3V	0.058	3.2
CD75-6R8M	6.8 \pm 20%	100K/0.3V	0.07	2.8
CD75-100M	10 \pm 20%	1K/0.3V	0.07	2.3
CD75-120M	12 \pm 20%	1K/0.3V	0.08	2
CD75-150M	15 \pm 20%	1K/0.3V	0.09	1.8
CD75-180M	18 \pm 20%	1K/0.3V	0.1	1.6
CD75-220M	22 \pm 20%	1K/0.3V	0.11	1.5
CD75-270M	27 \pm 20%	1K/0.3V	0.12	1.3
CD75-330M	33 \pm 20%	1K/0.3V	0.13	1.2
CD75-390M	39 \pm 20%	1K/0.3V	0.16	1.1
CD75-470M	47 \pm 20%	1K/0.3V	0.18	1
CD75-560M	56 \pm 20%	1K/0.3V	0.24	0.94
CD75-680M	68 \pm 20%	1K/0.3V	0.28	0.85
CD75-820M	82 \pm 20%	1K/0.3V	0.37	0.78
CD75-101M	100 \pm 20%	1K/0.3V	0.43	0.72
CD75-121M	120 \pm 20%	1K/0.3V	0.47	0.66
CD75-151M	150 \pm 20%	1K/0.3V	0.64	0.58
CD75-181M	180 \pm 20%	1K/0.3V	0.71	0.51
CD75-221M	220 \pm 20%	1K/0.3V	0.96	0.49
CD75-271M	270 \pm 20%	1K/0.3V	1.11	0.42
CD75-331M	330 \pm 20%	1K/0.3V	1.26	0.4
CD75-391M	390 \pm 20%	1K/0.3V	1.77	0.36
CD75-471M	470 \pm 20%	1K/0.3V	1.96	0.34



■CDRH104 Series

产品料号 Part Number	感值 Inductance	测试频率 Test Frequency	直流电阻 DCR	电流 IDC
Symbol 符号	uH	(Hz)	(Ω)max	(A)max
CD104-1R0M	1.0 \pm 20%	100K/0.3V	0.012	8.7
CD104-1R5M	1.5 \pm 20%	100K/0.3V	0.02	5.4
CD104-2R2M	2.2 \pm 20%	100K/0.3V	0.028	2.85
CD104-3R3M	3.3 \pm 20%	100K/0.3V	0.038	2.75
CD104-4R7M	4.7 \pm 20%	100K/0.3V	0.04	2.7
CD104-6R8M	6.8 \pm 20%	100K/0.3V	0.042	2.65
CD104-100M	10 \pm 20%	1K/0.3V	0.048	2.6
CD104-120M	12 \pm 20%	1K/0.3V	0.05	2.38
CD104-150M	15 \pm 20%	1K/0.3V	0.07	1.87
CD104-180M	18 \pm 20%	1K/0.3V	0.08	1.73
CD104-220M	22 \pm 20%	1K/0.3V	0.09	1.6
CD104-270M	27 \pm 20%	1K/0.3V	0.1	1.44
CD104-330M	33 \pm 20%	1K/0.3V	0.12	1.26
CD104-390M	39 \pm 20%	1K/0.3V	0.15	1.2
CD104-470M	47 \pm 20%	1K/0.3V	0.17	1.1
CD104-560M	56 \pm 20%	1K/0.3V	0.2	1.01
CD104-680M	68 \pm 20%	1K/0.3V	0.22	0.91
CD104-820M	82 \pm 20%	1K/0.3V	0.25	0.85
CD104-101M	100 \pm 20%	1K/0.3V	0.34	0.74
CD104-121M	120 \pm 20%	1K/0.3V	0.4	0.69
CD104-151M	150 \pm 20%	1K/0.3V	0.54	0.61
CD104-181M	180 \pm 20%	1K/0.3V	0.62	0.56
CD104-221M	220 \pm 20%	1K/0.3V	0.72	0.53
CD104-271M	270 \pm 20%	1K/0.3V	0.95	0.45
CD104-331M	330 \pm 20%	1K/0.3V	1.1	0.42
CD104-391M	390 \pm 20%	1K/0.3V	1.24	0.38
CD104-471M	470 \pm 20%	1K/0.3V	1.53	0.35
CD104-561M	560 \pm 20%	1K/0.3V	1.9	0.32



■CD105ries

产品料号 Part Number	感值 Inductance	测试频率 Test Frequency	直流电阻 DCR	电流 IDC
Symbol 符号	uH	(Hz)	(Ω)max	(A)max
CD105-1R0M	1.0 \pm 20%	100K/0.3V	0.009	8.63
CD105-2R2M	2.2 \pm 20%	100K/0.3V	0.016	7.2
CD105-3R3M	3.3 \pm 20%	100K/0.3V	0.018	6.5
CD105-4R7M	4.7 \pm 20%	100K/0.3V	0.02	5.5
CD105-6R8M	6.8 \pm 20%	100K/0.3V	0.04	4.5
CD105-100M	10 \pm 20%	1K/0.3V	0.06	2.6
CD105-150M	15 \pm 20%	1K/0.3V	0.07	1.72
CD105-180M	18 \pm 20%	1K/0.3V	0.08	1.58
CD105-220M	22 \pm 20%	1K/0.3V	0.09	1.42
CD105-270M	27 \pm 20%	1K/0.3V	0.1	1.32
CD105-330M	33 \pm 20%	1K/0.3V	0.11	1.16
CD105-390M	39 \pm 20%	1K/0.3V	0.12	1.1
CD105-470M	47 \pm 20%	1K/0.3V	0.14	1
CD105-560M	56 \pm 20%	1K/0.3V	0.19	0.93
CD105-680M	68 \pm 20%	1K/0.3V	0.21	0.85
CD105-820M	82 \pm 20%	1K/0.3V	0.28	0.79
CD105-101M	100 \pm 20%	1K/0.3V	0.34	0.72
CD105-121M	120 \pm 20%	1K/0.3V	0.37	0.63
CD105-151M	150 \pm 20%	1K/0.3V	0.51	0.55
CD105-181M	180 \pm 20%	1K/0.3V	0.57	0.5
CD105-221M	220 \pm 20%	1K/0.3V	0.78	0.47
CD105-271M	270 \pm 20%	1K/0.3V	0.87	0.41
CD105-331M	330 \pm 20%	1K/0.3V	1.2	0.37
CD105-471M	470 \pm 20%	1K/0.3V	1.5	0.33
CD105-561M	560 \pm 20%	1K/0.3V	1.9	0.3
CD105-681M	680 \pm 20%	1K/0.3V	2.25	0.28
CD105-821M	820 \pm 20%	1K/0.3V	2.55	0.24