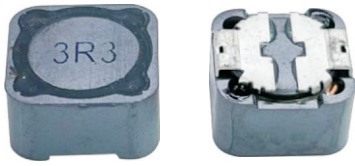


Shielded Power Inductors CDRI-73/74/12* Series

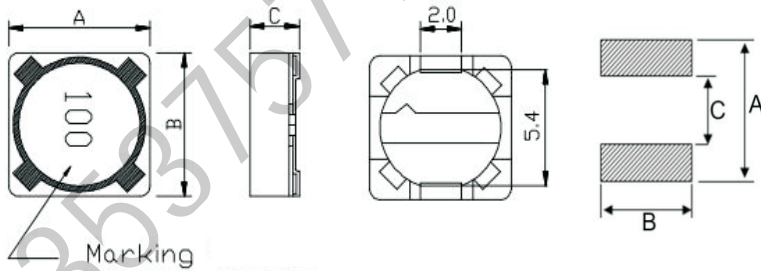
Product Identification:



CDRI - 73 - 1R0 M
(1) (2) (3) (4)

- (1) Type
- (2) Dimensions(L*H)
- (3) Inductance (1R0=1.0uH, 100=10uH, 101=100uH)
- (4) Tolerance(K(±10%), L(±15%), M(±20%),N(±30%))

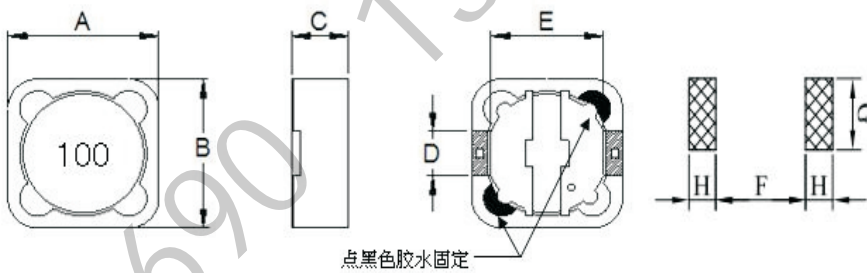
DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	-	-	-	A(mm)	B(mm)	C(mm)
CDRI-73	7.3±0.5	7.3±0.5	3.6Max	-	-	-	8.0Typ	2.4Typ	4.8Typ
CDRI-74	7.3±0.5	7.3±0.5	4.6Max	-	-	-	8.0Typ	2.4Typ	4.8Typ

Shielded Power Inductors CDRI-124~129 Series

DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	-	F(mm)	G(mm)	H(mm)
CDRI-124	12.5Max	12.5Max	4.5Max	5.0Typ	7.6Typ	-	7.0Typ	5.4Typ	2.8Typ
CDRI-125	12.5Max	12.5Max	6.0Max	5.0Typ	7.6Typ	-	7.0Typ	5.4Typ	2.8Typ
CDRI-127	12.5Max	12.5Max	8.0Max	5.0Typ	7.6Typ	-	7.0Typ	5.4Typ	2.8Typ
CDRI-129	12.5Max	12.5Max	10.0Max	5.0Typ	7.6Typ	-	7.0Typ	5.4Typ	2.8Typ

Shielded Power Inductors CDRI-73 Series

ELECTRICAL CHARACTERISTIC:

Part Nuber	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR (Ω) Max.	IDC (A)	MARK
CDRI-73-1R0□	1.0	N	100K/0.25V	18.5m	5.0	1R0
CDRI-73-2R2□	2.2	M N	100K/0.25V	22m	3.5	2R2
CDRI-73-3R3□	3.3	M N	100K/0.25V	40m	3.0	3R3
CDRI-73-4R7□	4.7	M N	100K/0.25V	65m	2.27	4R7
CDRI-73-6R8□	6.8	M N	100K/0.25V	67m	2.0	6R8
CDRI-73-8R2□	7.5	M N	100K/0.25V	70m	1.8	8R2
CDRI-73-100□	10	M	100K/0.25V	72m	1.68	100
CDRI-73-120□	12	M	100K/0.25V	98m	1.52	120
CDRI-73-150□	15	M	100K/0.25V	0.13	1.33	150
CDRI-73-180□	18	M	100K/0.25V	0.14	1.2	180
CDRI-73-220□	22	M	100K/0.25V	0.19	1.07	220
CDRI-73-270□	27	M	100K/0.25V	0.21	0.96	270
CDRI-73-330□	33	M	100K/0.25V	0.24	0.91	330
CDRI-73-390□	39	M	100K/0.25V	0.32	0.77	390
CDRI-73-470□	47	M	100K/0.25V	0.36	0.76	470
CDRI-73-560□	56	M	100K/0.25V	0.47	0.68	560
CDRI-73-680□	68	M	100K/0.25V	0.52	0.61	680
CDRI-73-820□	82	M	100K/0.25V	0.69	0.57	820
CDRI-73-101□	100	M	100K/0.25V	0.79	0.5	101
CDRI-73-121□	120	M	100K/0.25V	0.89	0.49	121
CDRI-73-151□	150	M	100K/0.25V	1.27	0.43	151
CDRI-73-181□	180	M	100K/0.25V	1.45	0.39	181
CDRI-73-221□	220	M	100K/0.25V	1.65	0.35	221
CDRI-73-271□	270	M	100K/0.25V	2.31	0.32	271
CDRI-73-331□	330	M	100K/0.25V	2.62	0.28	331
CDRI-73-391□	390	M	100K/0.25V	2.94	0.26	391
CDRI-73-471□	470	M	100K/0.25V	4.18	0.24	471
CDRI-73-561□	560	M	100K/0.25V	4.67	0.22	561
CDRI-73-681□	680	M	100K/0.25V	5.73	0.19	681
CDRI-73-821□	820	M	100K/0.25V	6.54	0.18	821
CDRI-73-102□	1000	M	100K/0.25V	9.44	0.16	102
CDRI-73-152□	1500	M	100K/0.25V	11.2	0.14	152

(1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)

(2).IDC:Base on temp.rise & $\Delta L/L0A \leq 25\% \text{ MAX}$, Temp.rise 40°C Typ

(3).Operating temp.: -40°C to +125°C

Shielded Power Inductors CDRI-74 Series

ELECTRICAL CHARACTERISTIC:

Part Nuber	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR (Ω) Max.	IDC (A)	MARK
CDRI-74-R33□	0.33	N	100K/0.25V	8.7m	8.5	R33
CDRI-74-1R0□	1.0	N	100K/0.25V	11.1m	6.8	1R0
CDRI-74-1R2□	1.2	M,N	100K/0.25V	11.1m	6.8	1R2
CDRI-74-1R5□	1.5	N	100K/0.25V	13.4m	5.7	1R5
CDRI-74-1R8□	1.8	M,N	100K/0.25V	14.7m	5.0	1R8
CDRI-74-2R2□	2.2	M	100K/0.25V	14.7m	5.0	2R2
CDRI-74-3R3□	3.3	M,N	100K/0.25V	21.4m	4.0	3R3
CDRI-74-4R7□	4.7	M,N	100K/0.25V	31.0m	3.4	4R7
CDRI-74-5R6□	5.6	M,N	100K/0.25V	33.5m	3.0	5R6
CDRI-74-6R8□	6.8	M,N	100K/0.25V	35m	2.3	6R8
CDRI-74-8R2□	8.2	M,N	100K/0.25V	42m	2.1	8R2
CDRI-74-100□	10	M	100K/0.25V	49m	1.84	100
CDRI-74-120□	12	M	100K/0.25V	58m	1.71	120
CDRI-74-150□	15	M	100K/0.25V	81m	1.47	150
CDRI-74-180□	18	M	100K/0.25V	91m	1.31	180
CDRI-74-220□	22	M	100K/0.25V	0.11	1.23	220
CDRI-74-270□	27	M	100K/0.25V	0.15	1.12	270
CDRI-74-330□	33	M	100K/0.25V	0.2	0.96	330
CDRI-74-390□	39	M	100K/0.25V	0.23	0.91	390
CDRI-74-470□	47	M	100K/0.25V	0.26	0.88	470
CDRI-74-560□	56	M	100K/0.25V	0.35	0.75	560
CDRI-74-680□	68	M	100K/0.25V	0.38	0.69	680
CDRI-74-820□	82	M	100K/0.25V	0.43	0.61	820
CDRI-74-101□	100	M	100K/0.25V	0.61	0.6	101
CDRI-74-121□	120	M	100K/0.25V	0.66	0.52	121
CDRI-74-151□	150	M	100K/0.25V	0.88	0.46	151
CDRI-74-181□	180	M	100K/0.25V	0.98	0.42	181
CDRI-74-221□	220	M	100K/0.25V	1.17	0.36	221
CDRI-74-271□	270	M	100K/0.25V	1.64	0.34	271
CDRI-74-331□	330	M	100K/0.25V	1.86	0.32	331
CDRI-74-391□	390	M	100K/0.25V	2.85	0.29	391
CDRI-74-471□	470	M	100K/0.25V	3.01	0.26	471
CDRI-74-561□	560	M	100K/0.25V	3.62	0.23	561
CDRI-74-681□	680	M	100K/0.25V	4.63	0.22	681
CDRI-74-821□	820	M	100K/0.25V	5.2	0.2	821
CDRI-74-102□	1000	M	100K/0.25V	6	0.18	102

(1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)

(2).IDC:Base on temp.rise & $\Delta L/L0A \leq 25\% \text{ MAX}$ · Temp.rise 40°C Typ

(3).Operating temp.: -40°C to +125°C

Shielded Power Inductors CDRI-124 Series

ELECTRICAL CHARACTERISTIC:

Part Nuber	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR (mΩ) Max.	IDC (A)	MARK
CDRI-124-2R5□	2.5	N	100K/0.25V	13	8.0	2R5
CDRI-124-3R3□	3.3	M N	100K/0.25V	15	6.5	3R3
CDRI-124-3R9□	3.9	N	100K/0.25V	15	6.5	3R9
CDRI-124-4R7□	4.7	M N	100K/0.25V	18	5.7	4R7
CDRI-124-6R8□	6.8	M N	100K/0.25V	23	4.9	6R8
CDRI-124-8R2□	7.5	N	100K/0.25V	26	4.6	8R2
CDRI-124-100□	10	M N	100K/0.25V	28	4.5	100
CDRI-124-120□	12	M N	100K/0.25V	38	4.0	120
CDRI-124-150□	15	M N	100K/0.25V	50	3.2	150
CDRI-124-180□	18	M N	100K/0.25V	57	3.1	180
CDRI-124-220□	22	M N	100K/0.25V	66	2.9	220
CDRI-124-270□	27	M N	100K/0.25V	80	2.8	270
CDRI-124-330□	33	M N	100K/0.25V	97	2.7	330
CDRI-124-390□	39	M N	100K/0.25V	132	2.1	390
CDRI-124-470□	47	M N	100K/0.25V	150	2.0	470
CDRI-124-560□	56	M N	100K/0.25V	190	1.8	560
CDRI-124-680□	68	M N	100K/0.25V	220	1.5	680
CDRI-124-820□	82	M N	100K/0.25V	260	1.3	820
CDRI-124-101□	100	M N	100K/0.25V	308	1.2	101
CDRI-124-121□	120	M N	100K/0.25V	380	1.1	121
CDRI-124-151□	150	M N	100K/0.25V	530	0.95	151
CDRI-124-181□	180	M N	100K/0.25V	620	0.85	181
CDRI-124-221□	220	M N	100K/0.25V	700	0.8	221
CDRI-124-271□	270	M N	100K/0.25V	876	0.6	271
CDRI-124-331□	330	M N	100K/0.25V	990	0.5	331

(1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)

(2).IDC:Base on temp.rise & $\Delta L/L0A \leq 25\% \text{ MAX}$ · Temp.rise 40°C Typ

(3).Operating temp.: -40°C to +125°C

Shielded Power Inductors CDRI-125 Series

ELECTRICAL CHARACTERISTIC:

Part Nuber	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR (mΩ) Max.	IDC (A)	MARK
CDRI-125-2R4□	2.4	N	100K/0.25V	15	6.5	2R4
CDRI-125-2R7□	2.7	N	100K/0.25V	15	6.5	2R7
CDRI-125-3R3□	3.3	M N	100K/0.25V	14	6.75	3R3
CDRI-125-4R7□	4.7	M N	100K/0.25V	18	6.2	4R7
CDRI-125-6R8□	6.8	M N	100K/0.25V	23	5.9	6R8
CDRI-125-7R5□	7.5	M N	100K/0.25V	24	4.2	7R5
CDRI-125-100□	10	M N	100K/0.25V	25	4.0	100
CDRI-125-120□	12	M N	100K/0.25V	27	3.5	120
CDRI-125-150□	15	M N	100K/0.25V	30	3.3	150
CDRI-125-180□	18	M N	100K/0.25V	34	3.0	180
CDRI-125-220□	22	M N	100K/0.25V	36	2.8	220
CDRI-125-270□	27	M N	100K/0.25V	51	2.3	270
CDRI-125-330□	33	M N	100K/0.25V	57	2.1	330
CDRI-125-390□	39	M N	100K/0.25V	68	2.0	390
CDRI-125-470□	47	M N	100K/0.25V	75	1.8	470
CDRI-125-680□	68	M N	100K/0.25V	120	1.5	680
CDRI-125-820□	82	M N	100K/0.25V	140	1.4	820
CDRI-125-101□	100	K M	100K/0.25V	160	1.3	101
CDRI-125-121□	120	K M	100K/0.25V	170	1.1	121
CDRI-125-151□	150	K M	100K/0.25V	230	1.0	151
CDRI-125-181□	180	K M	100K/0.25V	290	0.9	181
CDRI-125-221□	220	K M	100K/0.25V	400	0.8	221
CDRI-125-331□	330	K M	100K/0.25V	510	0.68	331
CDRI-125-391□	390	K M	100K/0.25V	690	0.65	391
CDRI-125-471□	470	K M	100K/0.25V	770	0.58	471
CDRI-125-561□	560	K M	100K/0.25V	860	0.54	561
CDRI-125-681□	680	K M	100K/0.25V	1200	0.48	681
CDRI-125-821□	820	K M	100K/0.25V	1340	0.43	821
CDRI-125-102□	1000	K M	100K/0.25V	1530	0.4	102

- (1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)
- (2).IDC:Base on temp.rise & $\Delta L/L_{0A} \leq 25\% \text{ MAX}$ · Temp.rise 40°C Typ
- (3).Operating temp.: -40°C to +125°C

Shielded Power Inductors CDRI-127 Series

ELECTRICAL CHARACTERISTIC:

Part Nuber	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR (mΩ) Max.	IDC (A)	MARK
CDRI-127-1R0□	1.0	N	100K/0.25V	7	9.8	1R0
CDRI-127-2R2□	2.2	N	100K/0.25V	11.5	8	2R2
CDRI-127-3R3□	3.3	M N	100K/0.25V	13	7.8	3R3
CDRI-127-4R7□	4.7	M N	100K/0.25V	16	6.8	4R7
CDRI-127-6R1□	6.1	N	100K/0.25V	18	6.6	6R1
CDRI-127-6R8□	6.8	M N	100K/0.25V	23	6.4	6R8
CDRI-127-100□	10	M N	100K/0.25V	25	5.4	100
CDRI-127-150□	15	M N	100K/0.25V	27	4.5	150
CDRI-127-180□	18	M N	100K/0.25V	39	3.9	180
CDRI-127-220□	22	M N	100K/0.25V	43	3.6	220
CDRI-127-270□	27	M N	100K/0.25V	46	3.4	270
CDRI-127-330□	33	M N	100K/0.25V	65	3	330
CDRI-127-390□	39	M N	100K/0.25V	73	2.75	390
CDRI-127-470□	47	M N	100K/0.25V	100	2.5	470
CDRI-127-560□	56	M N	100K/0.25V	110	2.35	560
CDRI-127-680□	68	M N	100K/0.25V	140	2.1	680
CDRI-127-820□	82	M N	100K/0.25V	160	1.95	820
CDRI-127-101□	100	K M	100K/0.25V	220	1.7	101
CDRI-127-121□	120	K M	100K/0.25V	250	1.6	121
CDRI-127-151□	150	K M	100K/0.25V	280	1.42	151
CDRI-127-181□	180	K M	100K/0.25V	350	1.3	181
CDRI-127-221□	220	K M	100K/0.25V	390	1.16	221
CDRI-127-271□	270	K M	100K/0.25V	560	1.06	271
CDRI-127-331□	330	K M	100K/0.25V	640	0.95	331
CDRI-127-391□	390	K M	100K/0.25V	700	0.88	391
CDRI-127-471□	470	K M	100K/0.25V	980	0.79	471
CDRI-127-561□	560	K M	100K/0.25V	1070	0.73	561
CDRI-127-681□	680	K M	100K/0.25V	1460	0.67	681
CDRI-127-821□	820	K M	100K/0.25V	1640	0.6	821
CDRI-127-102□	1000	K M	10K/0.25V	1820	0.55	102
CDRI-127-152□	1500	K M	10K/0.25V	2480	0.45	152

(1) Specify the inductance tolerance, K(±10%),M(±20%),N(±30%)

(2).IDC:Base on temp.rise & $\Delta L/L0A \leq 25\% \text{ MAX}$ · Temp.rise 40°C Typ

(3).Operating temp.: -40°C to +125°C

Shielded Power Inductors CDRI-129 Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	TEST FREQ.(Hz)	DCR(mΩ) Max	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-129-1R0□	1.0	N	100K/0.25V	5.5	19.9	11.6	1R0
CDRI-129-1R3□	1.2	N	100K/0.25V	6.0	18	11.5	1R3
CDRI-129-1R8□	1.8	N	100K/0.25V	6.5	13.4	11	1R8
CDRI-129-2R0□	2	N	100K/0.25V	7.0	12.9	10.7	2R0
CDRI-129-2R2□	2.2	N	100K/0.25V	7.0	12.9	10.7	2R2
CDRI-129-2R5□	2.5	N	100K/0.25V	8.0	12.16	10.3	2R5
CDRI-129-3R5□	3.5	N	100K/0.25V	9.7	12	8.7	3R5
CDRI-129-4R7□	4.7	N	100K/0.25V	11.0	11	8.4	4R7
CDRI-129-5R8□	5.8	N	100K/0.25V	11.3	10.5	7.6	5R8
CDRI-129-6R8□	6.8	M N	100K/0.25V	11.5	10	7.1	6R8
CDRI-129-7R5□	7.5	M N	100K/0.25V	14.0	8.48	6.8	7R5
CDRI-129-8R2□	8.2	M N	100K/0.25V	16.0	8.3	6.7	8R2
CDRI-129-100□	10	M N	100K/0.25V	17.0	8.2	6.6	100
CDRI-129-120□	12	M N	100K/0.25V	18.5	7.04	6.2	120
CDRI-129-150□	15	M N	100K/0.25V	25.0	5.8	5.22	150
CDRI-129-220□	22	M N	100K/0.25V	29.0	5.12	4.95	220
CDRI-129-330□	33	M N	100K/0.25V	53.0	4.25	3.6	330
CDRI-129-470□	47	M N	100K/0.25V	63.0	3.6	3.45	470
CDRI-129-560□	56	M N	100K/0.25V	68	2.85	2.95	560
CDRI-129-680□	68	M N	100K/0.25V	93	2.76	2.85	680
CDRI-129-820□	82	M N	100K/0.25V	99	2.62	2.6	820
CDRI-129-101□	100	M	100K/0.25V	126	2.31	2.45	101
CDRI-129-121□	120	M	100K/0.25V	154	2.05	2.2	121
CDRI-129-151□	150	M	100K/0.25V	174	1.8	1.9	151
CDRI-129-181□	180	M	100K/0.25V	191	1.66	1.86	181
CDRI-129-221□	220	M	100K/0.25V	246	1.64	1.72	221
CDRI-129-331□	330	M	100K/0.25V	386	1.28	1.28	331
CDRI-129-391□	390	M	100K/0.25V	440	1.2	1.27	391
CDRI-129-471□	470	M	100K/0.25V	471	1.06	1.25	471
CDRI-129-561□	560	M	100K/0.25V	650	1.01	0.98	561
CDRI-129-681□	680	M	100K/0.25V	730	0.83	0.96	681
CDRI-129-821□	820	M	100K/0.25V	824	0.81	0.94	821
CDRI-129-102□	1000	M	100K/0.25V	1220	0.7	0.78	102
CDRI-129-122□	1200	M	100K/0.25V	1330	0.64	0.79	122
CDRI-129-152□	1500	M	100K/0.25V	1990	0.56	0.58	152
CDRI-129-182□	1800	M	100K/0.25V	2180	0.48	0.54	182
CDRI-129-222□	2200	M	100K/0.25V	2580	0.43	0.52	222
CDRI-129-332□	3300	M	100K/0.25V	4600	0.3	0.4	332

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & ΔL/L0A≤25% MAX

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2