FEATURES

- Ferrite core provides high withstand voltage and wide inductance range.
- Closed magnetic circuit design reduces leakage flux and EMI.
- Assembly Type.
- Operating temperature:-40℃ ~ +105℃ .

APPLICATIONS

- Ideally used in VTR, OA equipment, Digital camera, LCD television set , notebook PC, etc as DC-DC Converter.

PRODUCT IDENTIFICATION

CDRR	6028	S	100	M	T
(1)	(2)	(3)	(4)	(5)	(6)

(1) Series name
(2) Product dimensions
(3) Feature Type (S:Standard)
(4) Inductance Value (1R0:1.0uH，100:10uH，101:100uH)
(5) Inductance Tolerance(K:10%，M:20%，N:30%)
(6) Package(T:Tape&Reel)

SHAPE AND DIMENSIONS

Fig.1

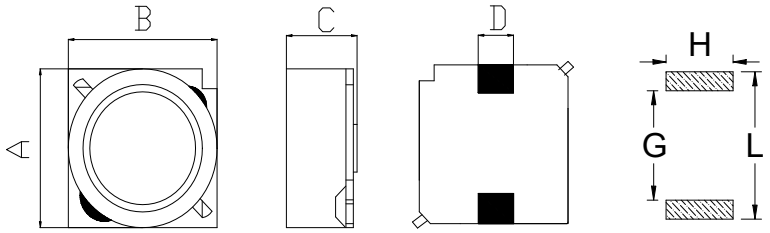


Fig.2

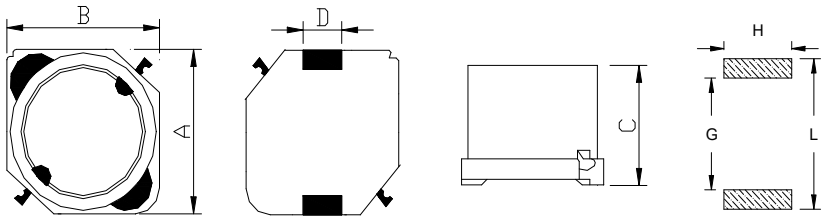
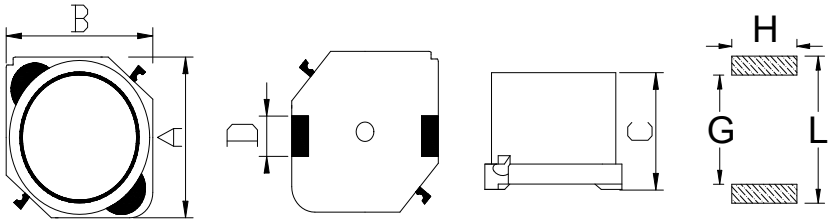


Fig.3



Unit:mm

Series	Shape	A	B	C Max	D Ref	L Ref	H Rel	G Ref
CDRR6025	Fig.2	6.0±0.3	6.0±0.3	2.8	2.0	7.0	2.2	2.7
CDRR6028	Fig.1	6.0±0.3	6.0±0.3	3.1	2.0	7.0	2.2	2.7
CDRR7032	Fig.2	7.0±0.3	7.0±0.3	3.5	2.0	7.9	2.2	3.7
CDRR7045	Fig.2	7.0±0.3	7.0±0.3	4.8	2.0	7.9	2.2	3.7
CDRR7055	Fig.2	7.0±0.3	7.0±0.3	5.8	2.0	7.9	2.2	3.7
CDRR1045	Fig.2	10.1±0.3	10.1±0.3	4.8	3.0	10.6	3.2	5.6
CDRR12555	Fig.3	12.5±0.3	12.5±0.3	5.8	3.0	13.6	3.2	8.0
CDRR12565	Fig.3	12.5±0.3	12.5±0.3	6.9	3.0	13.6	3.2	8.0
CDRR12575	Fig.3	12.5±0.3	12.5±0.3	7.9	3.0	13.6	3.2	8.0

SPECIFICATIONS

CDRR6025 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR6025S2R2NT	2.2	30	100KHz/0.25V	32	1.70
CDRR6025S4R7NT	4.7	30	100KHz/0.25V	40	1.50
CDRR6025S5R6NT	5.6	30	100KHz/0.25V	53	1.40
CDRR6025S6R8NT	6.8	30	100KHz/0.25V	58	1.30
CDRR6025S100MT	10	20	100KHz/0.25V	75	1.00
CDRR6025S220MT	22	20	100KHz/0.25V	160	0.73
CDRR6025S101MT	100	20	100KHz/0.25V	650	0.33

CDRR6028 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR6028S4R7NT	4.7	30	100KHz/0.25V	37.4	1.60
CDRR6028S6R8NT	6.8	30	100KHz/0.25V	47.3	1.50
CDRR6028S100MT	10	20	100KHz/0.25V	70.4	1.30
CDRR6028S150MT	15	20	100KHz/0.25V	99	1.00
CDRR6028S220MT	22	20	100KHz/0.25V	137.5	0.77
CDRR6028S330MT	33	20	100KHz/0.25V	196	0.69
CDRR6028S470MT	47	20	100KHz/0.25V	278	0.59
CDRR6028S680MT	68	20	100KHz/0.25V	383	0.50
CDRR6028S101MT	100	20	100KHz/0.25V	568	0.42
CDRR6028S151MT	150	20	100KHz/0.25V	858	0.34
CDRR6028S221MT	220	20	100KHz/0.25V	1293	0.26

CDRR7032 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR7032S3R3NT	3.3	30	100KHz/0.25V	28	1.90
CDRR7032S4R7NT	4.7	30	100KHz/0.25V	44	1.70
CDRR7032S6R8NT	6.8	30	100KHz/0.25V	50	1.60
CDRR7032S100MT	10	20	100KHz/0.25V	64	1.40
CDRR7032S150MT	15	20	100KHz/0.25V	90	1.10
CDRR7032S220MT	22	20	100KHz/0.25V	132	0.96
CDRR7032S330MT	33	20	100KHz/0.25V	192	0.75
CDRR7032S470MT	47	20	100KHz/0.25V	288	0.67
CDRR7032S680MT	68	20	100KHz/0.25V	372	0.59
CDRR7032S101MT	100	20	100KHz/0.25V	540	0.45
CDRR7032S151MT	150	20	100KHz/0.25V	780	0.37
CDRR7032S221MT	220	20	100KHz/0.25V	1260	0.29
CDRR7032S331MT	330	20	100KHz/0.25V	2000	0.22
CDRR7032S471MT	470	20	100KHz/0.25V	2460	0.20
CDRR7032S681MT	680	20	100KHz/0.25V	3780	0.16
CDRR7032S102MT	1000	20	100KHz/0.25V	5730	0.13

CDRR7045 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR7045S3R3NT	3.3	30	100KHz/0.25V	24	2.50
CDRR7045S4R7NT	4.7	30	100KHz/0.25V	36	2.00
CDRR7045S6R8NT	6.8	30	100KHz/0.25V	47	1.70
CDRR7045S100MT	10	20	100KHz/0.25V	56	1.30
CDRR7045S150MT	15	20	100KHz/0.25V	63	1.10
CDRR7045S220MT	22	20	100KHz/0.25V	74	0.90
CDRR7045S330MT	33	20	100KHz/0.25V	116	0.82
CDRR7045S470MT	47	20	100KHz/0.25V	150	0.75
CDRR7045S680MT	68	20	100KHz/0.25V	210	0.60
CDRR7045S101MT	100	20	100KHz/0.25V	300	0.50
CDRR7045S151MT	150	20	100KHz/0.25V	408	0.40
CDRR7045S221MT	220	20	100KHz/0.25V	624	0.33
CDRR7045S331MT	330	20	100KHz/0.25V	888	0.25
CDRR7045S471MT	470	20	100KHz/0.25V	1260	0.22
CDRR7045S681MT	680	20	100KHz/0.25V	1776	0.20
CDRR7045S102MT	1000	20	100KHz/0.25V	2736	0.14

CDRR7055 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR7055S1R5NT	1.5	30	100KHz/0.25V	23	6.20
CDRR7055S2R2NT	2.2	30	100KHz/0.25V	29	5.30
CDRR7055S3R3NT	3.3	30	100KHz/0.25V	32	4.30
CDRR7055S3R9NT	3.9	30	100KHz/0.25V	34	4.00
CDRR7055S4R7NT	4.7	30	100KHz/0.25V	37	3.60
CDRR7055S6R8NT	6.8	30	100KHz/0.25V	45	3.00
CDRR7055S100MT	10	20	100KHz/0.25V	51	2.60
CDRR7055S150MT	15	20	100KHz/0.25V	67	2.10
CDRR7055S180MT	18	20	100KHz/0.25V	74	1.90
CDRR7055S220MT	22	20	100KHz/0.25V	84	1.70
CDRR7055S330MT	33	20	100KHz/0.25V	114	1.40
CDRR7055S470MT	47	20	100KHz/0.25V	169	1.20
CDRR7055S680MT	68	20	100KHz/0.25V	260	0.90
CDRR7055S101MT	100	20	100KHz/0.25V	381	0.80

CDRR1045 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR1045S3R3NT	3.3	30	100KHz/0.25V	20	4.90
CDRR1045S5R6NT	5.6	30	100KHz/0.25V	27	3.80
CDRR1045S100MT	10	20	100KHz/0.25V	44	3.00
CDRR1045S150MT	15	20	100KHz/0.25V	57	2.40
CDRR1045S220MT	22	20	100KHz/0.25V	71	2.10
CDRR1045S330MT	33	20	100KHz/0.25V	99	1.60
CDRR1045S470MT	47	20	100KHz/0.25V	120	1.40
CDRR1045S680MT	68	20	100KHz/0.25V	168	1.20
CDRR1045S101MT	100	20	100KHz/0.25V	240	1.00
CDRR1045S151MT	150	20	100KHz/0.25V	420	0.79
CDRR1045S221MT	220	20	100KHz/0.25V	564	0.65
CDRR1045S331MT	330	20	100KHz/0.25V	816	0.54
CDRR1045S471MT	470	20	100KHz/0.25V	1236	0.47
CDRR1045S681MT	680	20	100KHz/0.25V	1920	0.38
CDRR1045S102MT	1000	20	100KHz/0.25V	3360	0.32
CDRR1045S152MT	1500	20	100KHz/0.25V	4080	0.22

CDRR12555 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR12555S6R0NT	6	30	100KHz/0.25V	20	3.60
CDRR12555S100MT	10	20	100KHz/0.25V	26	3.40
CDRR12555S150MT	15	20	100KHz/0.25V	32	2.80
CDRR12555S220MT	22	20	100KHz/0.25V	41	2.30
CDRR12555S330MT	33	20	100KHz/0.25V	50	1.90
CDRR12555S470MT	47	20	100KHz/0.25V	75	1.60
CDRR12555S680MT	68	20	100KHz/0.25V	100	1.30
CDRR12555S101MT	100	20	100KHz/0.25V	141	1.10
CDRR12555S151MT	150	20	100KHz/0.25V	228	0.88
CDRR12555S221MT	220	20	100KHz/0.25V	324	0.72
CDRR12555S331MT	330	20	100KHz/0.25V	492	0.59
CDRR12555S471MT	470	20	100KHz/0.25V	624	0.49
CDRR12555S681MT	680	20	100KHz/0.25V	912	0.43
CDRR12555S102MT	1000	20	100KHz/0.25V	1344	0.34
CDRR12555S122MT	1200	20	100KHz/0.25V	1850	0.32
CDRR12555S152MT	1500	20	100KHz/0.25V	2163	0.29

CDRR12565 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR12565S2R0NT	2.0	30	100KHz/0.25V	15	10.00
CDRR12565S4R2NT	4.2	30	100KHz/0.25V	19	7.30
CDRR12565S7R0NT	7.0	30	100KHz/0.25V	23	5.70
CDRR12565S100MT	10	20	100KHz/0.25V	26	5.00
CDRR12565S150MT	15	20	100KHz/0.25V	30	4.20
CDRR12565S220MT	22	20	100KHz/0.25V	40	3.50
CDRR12565S330MT	33	20	100KHz/0.25V	51	2.80
CDRR12565S470MT	47	20	100KHz/0.25V	73	2.40
CDRR12565S680MT	68	20	100KHz/0.25V	99	2.00
CDRR12565S101MT	100	20	100KHz/0.25V	154	1.60
CDRR12565S221MT	220	20	100KHz/0.25V	342	1.00
CDRR12565S102MT	1000	20	100KHz/0.25V	1375	0.30

CDRR12575 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR12575S1R2NT	1.2	30	100KHz/0.25V	9	13.00
CDRR12575S2R7NT	2.7	30	100KHz/0.25V	12	10.00
CDRR12575S3R9NT	3.9	30	100KHz/0.25V	13.5	9.00
CDRR12575S5R6NT	5.6	30	100KHz/0.25V	15	7.80

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRR12575S6R8NT	6.8	30	100KHz/0.25V	17	7.20
CDRR12575S100MT	10	20	100KHz/0.25V	20	5.50
CDRR12575S150MT	15	20	100KHz/0.25V	24	4.70
CDRR12575S220MT	22	20	100KHz/0.25V	34	4.00
CDRR12575S330MT	33	20	100KHz/0.25V	52	3.20
CDRR12575S470MT	47	20	100KHz/0.25V	69	2.70
CDRR12575S680MT	68	20	100KHz/0.25V	101	2.00
CDRR12575S101MT	100	20	100KHz/0.25V	162	1.90
CDRR12575S151MT	150	20	100KHz/0.25V	228	1.50
CDRR12575S221MT	220	20	100KHz/0.25V	335	1.30

Note：

Isat：DC current at which the inductance drops approximate 30% from its value without current.

All the data listed in this catalogue are for reference only, Design as Customer’s Requested Specifications.