

FEATURES

- Ferrite core provides high withstand voltage and wide inductance range.
- Closed magnetic circuit design reduces leakage flux and EMI.
- Assembly Type.
- Operating temperature: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$.



APPLICATIONS

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

PRODUCT IDENTIFICATION

CDRH 73 S 100 M T

(1)	(2)	(3)	(4)	(5)	(6)
CDRH	73	S	100	M	T

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

SHAPE AND DIMENSIONS

Fig.1

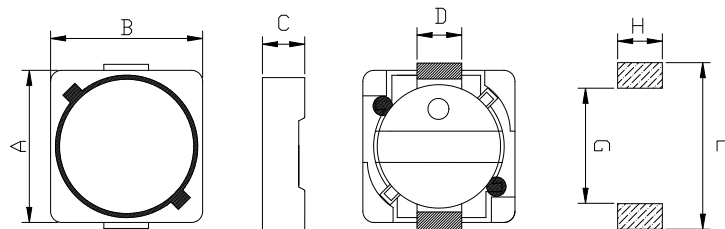


Fig.2

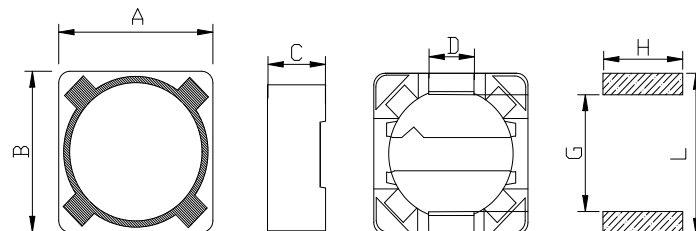
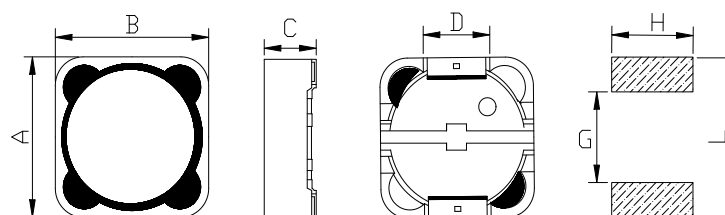


Fig.3



Unit:mm

Series	Shape	A	B	C Max	D Ref	L Ref	H Rel	G Ref
CDRH64	Fig.1	5.9±0.3	6.2±0.3	5.0	1.5	7.3	2.0	4.0
CDRH73	Fig.2	7.3±0.3	7.3±0.3	3.5	2.0	8.0	2.4	4.8
CDRH74	Fig.2	7.3±0.3	7.3±0.3	4.5	2.0	8.0	2.4	4.8
CDRH75	Fig.2	7.3±0.3	7.3±0.3	5.6	2.0	8.0	2.4	4.8
CDRH124	Fig.3	12.0±0.5	12.0±0.5	5.0	5.0	12.8	5.4	7.0
CDRH125	Fig.3	12.0±0.5	12.0±0.5	6.0	5.0	12.8	5.4	7.0
CDRH127	Fig.3	12.0±0.5	12.0±0.5	8.0	5.0	12.8	5.4	7.0
CDRH129	Fig.3	12.0±0.5	12.0±0.5	10.0	5.0	12.8	5.4	7.0

SPECIFICATIONS

CDRH64 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRH64S2R2NT	2.2	30	100KHz/0.25V	26.4	3.30
CDRH64S3R3NT	3.3	30	100KHz/0.25V	29.7	3.00
CDRH64S4R7NT	4.7	30	100KHz/0.25V	33	2.20
CDRH64S100MT	10	20	100KHz/0.25V	130	1.35
CDRH64S120MT	12	20	100KHz/0.25V	140	1.22
CDRH64S150MT	15	20	100KHz/0.25V	180	1.10
CDRH64S180MT	18	20	100KHz/0.25V	250	1.02
CDRH64S220MT	22	20	100KHz/0.25V	280	0.91
CDRH64S330MT	33	20	100KHz/0.25V	340	0.74
CDRH64S470MT	47	20	100KHz/0.25V	530	0.62
CDRH64S680MT	68	20	100KHz/0.25V	640	0.51
CDRH64S101MT	100	20	100KHz/0.25V	1040	0.42
CDRH64S121MT	120	20	100KHz/0.25V	1170	0.38
CDRH64S151MT	150	20	100KHz/0.25V	1700	0.35
CDRH64S221MT	220	20	100KHz/0.25V	2100	0.29

CDRH73 Series

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. (mΩ)	Isat(A)
CDRH73S1R0NT	1.0	30	100KHz/0.25V	18.5	5.00
CDRH73S2R2NT	2.2	30	100KHz/0.25V	27	3.50
CDRH73S3R3NT	3.3	30	100KHz/0.25V	40	3.00
CDRH73S4R7NT	4.7	30	100KHz/0.25V	65	2.27
CDRH73S6R8NT	6.8	30	100KHz/0.25V	70	2.00
CDRH73S100MT	10	20	100KHz/0.25V	91	1.80
CDRH73S150MT	15	20	100KHz/0.25V	130	1.33
CDRH73S180MT	18	20	100KHz/0.25V	140	1.20

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH73S220MT	22	20	100KHz/0.25V	190	1.07
CDRH73S330MT	33	20	100KHz/0.25V	240	0.91
CDRH73S470MT	47	20	100KHz/0.25V	360	0.76
CDRH73S680MT	68	20	100KHz/0.25V	520	0.61
CDRH73S101MT	100	20	100KHz/0.25V	790	0.50
CDRH73S151MT	150	20	100KHz/0.25V	1270	0.43
CDRH73S221MT	220	20	100KHz/0.25V	1650	0.35
CDRH73S331MT	330	20	100KHz/0.25V	2620	0.28
CDRH73S471MT	470	20	100KHz/0.25V	4180	0.24
CDRH73S681MT	680	20	100KHz/0.25V	5730	0.19
CDRH73S102MT	1000	20	100KHz/0.25V	9440	0.16
CDRH73S152MT	1500	20	100KHz/0.25V	11200	0.14

CDRH74 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH74S1R0NT	1.0	30	100KHz/0.25V	15	8.00
CDRH74S1R5NT	1.5	30	100KHz/0.25V	18	7.00
CDRH74S2R2NT	2.2	30	100KHz/0.25V	28	6.00
CDRH74S3R3NT	3.3	30	100KHz/0.25V	32	4.80
CDRH74S3R9NT	3.9	30	100KHz/0.25V	35	4.40
CDRH74S4R7NT	4.7	30	100KHz/0.25V	38	4.00
CDRH74S6R8NT	6.8	30	100KHz/0.25V	45	3.00
CDRH74S100MT	10	20	100KHz/0.25V	50	1.84
CDRH74S150MT	15	20	100KHz/0.25V	81	1.47
CDRH74S220MT	22	20	100KHz/0.25V	110	1.23
CDRH74S330MT	33	20	100KHz/0.25V	170	0.96
CDRH74S470MT	47	20	100KHz/0.25V	260	0.88
CDRH74S680MT	68	20	100KHz/0.25V	380	0.70
CDRH74S101MT	100	20	100KHz/0.25V	610	0.60
CDRH74S151MT	150	20	100KHz/0.25V	880	0.46
CDRH74S221MT	220	20	100KHz/0.25V	1170	0.36
CDRH74S331MT	330	20	100KHz/0.25V	1860	0.32
CDRH74S471MT	470	20	100KHz/0.25V	3010	0.26
CDRH74S681MT	680	20	100KHz/0.25V	4630	0.22
CDRH74S102MT	1000	20	100KHz/0.25V	6000	0.18

CDRH75 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH75S1R0NT	1.0	30	100KHz/0.25V	12.1	9.00
CDRH75S2R2NT	2.2	30	100KHz/0.25V	20.9	7.00
CDRH75S3R3NT	3.3	30	100KHz/0.25V	24.0	5.60
CDRH75S4R7NT	4.7	30	100KHz/0.25V	27.0	5.00
CDRH75S5R6NT	5.6	30	100KHz/0.25V	32.0	4.60
CDRH75S6R8NT	6.8	30	100KHz/0.25V	41.0	4.00
CDRH75S8R2NT	8.2	30	100KHz/0.25V	43.0	3.70
CDRH75S100MT	10	20	100KHz/0.25V	50.0	3.30
CDRH75S120MT	12	20	100KHz/0.25V	54.0	3.00
CDRH75S150MT	15	20	100KHz/0.25V	68.4	2.70
CDRH75S180MT	18	20	100KHz/0.25V	80.6	2.54
CDRH75S220MT	22	20	100KHz/0.25V	88.3	2.33
CDRH75S330MT	33	20	100KHz/0.25V	120.5	1.93
CDRH75S470MT	47	20	100KHz/0.25V	165.7	1.55
CDRH75S680MT	68	20	100KHz/0.25V	262.5	1.30
CDRH75S820MT	82	20	100KHz/0.25V	294.5	1.16
CDRH75S101MT	100	20	100KHz/0.25V	360.5	1.10
CDRH75S151MT	150	20	100KHz/0.25V	582.0	0.90
CDRH75S221MT	220	20	100KHz/0.25V	754.0	0.73
CDRH75S331MT	330	20	100KHz/0.25V	1144.0	0.55
CDRH75S471MT	470	20	100KHz/0.25V	1804.0	0.48
CDRH75S102MT	1000	20	100KHz/0.25V	4300.0	0.30

CDRH124 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH124S3R9NT	3.9	30	100KHz/0.25V	15	6.50
CDRH124S4R7NT	4.7	30	100KHz/0.25V	18	5.70
CDRH124S6R8NT	6.8	30	100KHz/0.25V	23	4.90
CDRH124S8R2NT	8.2	30	100KHz/0.25V	26	4.60
CDRH124S100MT	10	20	100KHz/0.25V	28	4.50
CDRH124S120MT	12	20	100KHz/0.25V	38	4.00
CDRH124S150MT	15	20	100KHz/0.25V	50	3.20
CDRH124S180MT	18	20	100KHz/0.25V	57	3.10
CDRH124S220MT	22	20	100KHz/0.25V	66	2.90
CDRH124S270MT	27	20	100KHz/0.25V	80	2.80
CDRH124S330MT	33	20	100KHz/0.25V	97	2.70
CDRH124S390MT	39	20	100KHz/0.25V	132	2.10
CDRH124S470MT	47	20	100KHz/0.25V	160	1.90
CDRH124S560MT	56	20	100KHz/0.25V	190	1.80

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH124S680MT	68	20	100KHz/0.25V	220	1.50
CDRH124S820MT	82	20	100KHz/0.25V	260	1.30
CDRH124S101MT	100	20	100KHz/0.25V	308	1.20
CDRH124S121MT	120	20	100KHz/0.25V	380	1.10
CDRH124S151MT	150	20	100KHz/0.25V	530	0.95
CDRH124S181MT	180	20	100KHz/0.25V	620	0.85
CDRH124S221MT	220	20	100KHz/0.25V	700	0.80
CDRH124S271MT	270	20	100KHz/0.25V	870	0.60
CDRH124S331MT	330	20	100KHz/0.25V	990	0.50

CDRH125 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH125S1R3NT	1.3	30	100KHz/0.25V	12	8.00
CDRH125S2R1NT	2.1	30	100KHz/0.25V	14	7.00
CDRH125S3R1NT	3.1	30	100KHz/0.25V	17	6.00
CDRH125S4R4NT	4.4	30	100KHz/0.25V	20	5.00
CDRH125S5R8NT	5.8	30	100KHz/0.25V	21	4.40
CDRH125S7R5NT	7.5	30	100KHz/0.25V	24	4.20
CDRH125S100MT	10	20	100KHz/0.25V	25	4.00
CDRH125S120MT	12	20	100KHz/0.25V	27	3.50
CDRH125S150MT	15	20	100KHz/0.25V	30	3.30
CDRH125S180MT	18	20	100KHz/0.25V	34	3.00
CDRH125S220MT	22	20	100KHz/0.25V	36	2.80
CDRH125S270MT	27	20	100KHz/0.25V	51	2.30
CDRH125S330MT	33	20	100KHz/0.25V	57	2.10
CDRH125S390MT	39	20	100KHz/0.25V	68	2.00
CDRH125S470MT	47	20	100KHz/0.25V	75	1.80
CDRH125S560MT	56	20	100KHz/0.25V	110	1.70
CDRH125S680MT	68	20	100KHz/0.25V	120	1.50
CDRH125S820MT	82	20	100KHz/0.25V	140	1.40
CDRH125S101MT	100	20	100KHz/0.25V	160	1.30
CDRH125S121MT	120	20	100KHz/0.25V	170	1.10
CDRH125S151MT	150	20	100KHz/0.25V	230	1.00
CDRH125S181MT	180	20	100KHz/0.25V	290	0.90
CDRH125S221MT	220	20	100KHz/0.25V	400	0.80
CDRH125S271MT	270	20	100KHz/0.25V	460	0.75
CDRH125S331MT	330	20	100KHz/0.25V	510	0.68
CDRH125S391MT	390	20	100KHz/0.25V	690	0.65
CDRH125S471MT	470	20	100KHz/0.25V	770	0.58
CDRH125S561MT	560	20	100KHz/0.25V	860	0.54

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH125S681MT	680	20	100KHz/0.25V	1200	0.48
CDRH125S821MT	820	20	100KHz/0.25V	1340	0.43
CDRH125S102MT	1000	20	100KHz/0.25V	1530	0.40

CDRH127 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH127S1R2NT	1.2	30	100KHz/0.25V	7	9.80
CDRH127S2R4NT	2.4	30	100KHz/0.25V	12	8.00
CDRH127S3R5NT	3.5	30	100KHz/0.25V	14	7.50
CDRH127S4R7NT	4.7	30	100KHz/0.25V	16	6.80
CDRH127S6R1NT	6.1	30	100KHz/0.25V	18	6.60
CDRH127S7R6NT	7.6	30	100KHz/0.25V	20	5.90
CDRH127S100MT	10	20	100KHz/0.25V	22	5.40
CDRH127S120MT	12	20	100KHz/0.25V	24	4.90
CDRH127S150MT	15	20	100KHz/0.25V	30	4.50
CDRH127S180MT	18	20	100KHz/0.25V	39	3.90
CDRH127S220MT	22	20	100KHz/0.25V	43	3.60
CDRH127S270MT	27	20	100KHz/0.25V	46	3.40
CDRH127S330MT	33	20	100KHz/0.25V	65	3.00
CDRH127S390MT	39	20	100KHz/0.25V	73	2.75
CDRH127S470MT	47	20	100KHz/0.25V	100	2.50
CDRH127S560MT	56	20	100KHz/0.25V	110	2.35
CDRH127S680MT	68	20	100KHz/0.25V	140	2.10
CDRH127S820MT	82	20	100KHz/0.25V	160	1.95
CDRH127S101MT	100	20	100KHz/0.25V	220	1.70
CDRH127S121MT	120	20	100KHz/0.25V	250	1.60
CDRH127S151MT	150	20	100KHz/0.25V	280	1.42
CDRH127S181MT	180	20	100KHz/0.25V	350	1.30
CDRH127S221MT	220	20	100KHz/0.25V	390	1.16
CDRH127S271MT	270	20	100KHz/0.25V	560	1.06
CDRH127S331MT	330	20	100KHz/0.25V	640	0.95
CDRH127S391MT	390	20	100KHz/0.25V	700	0.88
CDRH127S471MT	470	20	100KHz/0.25V	980	0.79
CDRH127S561MT	560	20	100KHz/0.25V	1070	0.73
CDRH127S681MT	680	20	100KHz/0.25V	1460	0.67
CDRH127S821MT	820	20	100KHz/0.25V	1640	0.60
CDRH127S102MT	1000	20	100KHz/0.25V	1820	0.55
CDRH127S152MT	1500	20	100KHz/0.25V	2120	0.60

CDRH129 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH129S1R0NT	1.0	30	100KHz/0.25V	5.5	19.90
CDRH129S1R8NT	1.8	30	100KHz/0.25V	6.5	13.40
CDRH129S2R5NT	2.5	30	100KHz/0.25V	8	12.16
CDRH129S3R5NT	3.5	30	100KHz/0.25V	9.7	12.00
CDRH129S4R7NT	4.7	30	100KHz/0.25V	11	11.00
CDRH129S5R8NT	5.8	30	100KHz/0.25V	11.3	10.50
CDRH129S6R8NT	6.8	30	100KHz/0.25V	11.5	10.00
CDRH129S7R5NT	7.5	30	100KHz/0.25V	14	8.48
CDRH129S100MT	10	20	100KHz/0.25V	17	8.20
CDRH129S120MT	12	20	100KHz/0.25V	18.5	7.04
CDRH129S150MT	15	20	100KHz/0.25V	25	5.80
CDRH129S220MT	22	20	100KHz/0.25V	29	5.12
CDRH129S330MT	33	20	100KHz/0.25V	53	4.25
CDRH129S390MT	39	20	100KHz/0.25V	62.4	4.80
CDRH129S470MT	47	20	100KHz/0.25V	63	3.60
CDRH129S560MT	56	20	100KHz/0.25V	68	2.85
CDRH129S680MT	68	20	100KHz/0.25V	93	2.76
CDRH129S820MT	82	20	100KHz/0.25V	99	2.62
CDRH129S101MT	100	20	100KHz/0.25V	126	2.31
CDRH129S121MT	120	20	100KHz/0.25V	154	2.05
CDRH129S151MT	150	20	100KHz/0.25V	174	1.80
CDRH129S181MT	180	20	100KHz/0.25V	191	1.66
CDRH129S221MT	220	20	100KHz/0.25V	246	1.64
CDRH129S331MT	330	20	100KHz/0.25V	386	1.28
CDRH129S471MT	470	20	100KHz/0.25V	590	1.50
CDRH129S561MT	560	20	100KHz/0.25V	650	1.01
CDRH129S681MT	680	20	100KHz/0.25V	730	0.83
CDRH129S821MT	820	20	100KHz/0.25V	824	0.81
CDRH129S102MT	1000	20	100KHz/0.25V	1220	0.70
CDRH129S122MT	1200	20	100KHz/0.25V	1330	0.64
CDRH129S152MT	1500	20	100KHz/0.25V	1990	0.56
CDRH129S182MT	1800	20	100KHz/0.25V	2180	0.48
CDRH129S222MT	2200	20	100KHz/0.25V	2580	0.43
CDRH129S332MT	3300	20	100KHz/0.25V	4600	0.30

Note:

Isat: DC current at which the inductance drops approximate 35% from its value without current.