

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°C ~ +105°C .



APPLICATIONS

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

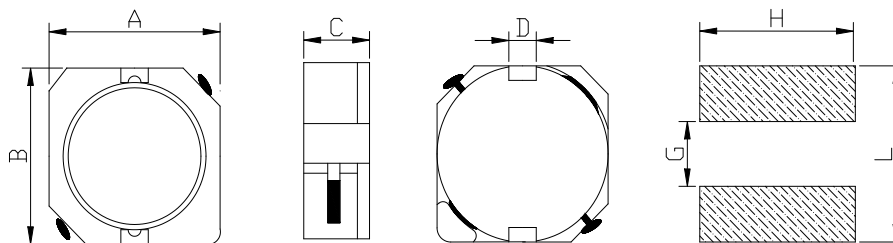
PRODUCT IDENTIFICATION

CDRH 103R S 100 M T

(1) (2) (3) (4) (5) (6)

- (1) 系列名称 Series name
- (2) 产品尺寸 Product dimensions
- (3) 特性类别 Feature Type (S:Standard 标准型)
- (4) 电感量 Inductance Value (1R0:1.0uH, 100:10uH, 101:100uH)
- (5) 电感公差 Inductance Tolerance(K:10%, M:20%, N:30%)
- (6) 包装 Package(T:Tape&Reel 卷盘编带)

SHAPE AND DIMENSIONS



Series	Shape	A	B	C Max	D Ref	L Ref	H Rel	G Ref
CDRH103R	Fig.1	10±0.3	10±0.5	3.1	3.0	10.7	3.6	7.3
CDRH104R	Fig.1	10±0.3	10±0.5	4.0	3.0	10.7	3.6	7.3
CDRH105R	Fig.1	10±0.3	10±0.5	5.1	3.0	10.7	3.6	7.3

Unit:mm

SPECIFICATIONS

CDRH103R Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH103RS1R5NT	1.5	30	100KHz/0.25V	11	8.00
CDRH103RS2R2NT	2.2	30	100KHz/0.25V	17	6.70
CDRH103RS3R3NT	3.3	30	100KHz/0.25V	21	5.56
CDRH103RS4R7NT	4.7	30	100KHz/0.25V	30	4.65
CDRH103RS6R8NT	6.8	30	100KHz/0.25V	35	3.84
CDRH103RS8R2NT	8.2	30	100KHz/0.25V	50	3.54
CDRH103RS100MT	10	20	100KHz/0.25V	59	3.18
CDRH103RS150MT	15	20	100KHz/0.25V	91	2.60
CDRH103RS220MT	22	20	100KHz/0.25V	143	2.16
CDRH103RS330MT	33	20	100KHz/0.25V	202	1.74
CDRH103RS470MT	47	20	100KHz/0.25V	299	1.43
CDRH103RS560MT	56	20	100KHz/0.25V	325	1.36
CDRH103RS680MT	68	20	100KHz/0.25V	429	1.22
CDRH103RS820MT	82	20	100KHz/0.25V	494	1.14
CDRH103RS101MT	100	20	100KHz/0.25V	683	1.02
CDRH103RS121MT	120	20	100KHz/0.25V	754	0.89
CDRH103RS151MT	150	20	100KHz/0.25V	871	0.84

CDRH104R Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH104RS1R0NT	1.0	30	100KHz/0.25V	6.5	10.50
CDRH104RS1R5NT	1.5	30	100KHz/0.25V	10.5	9.50
CDRH104RS1R8NT	1.8	30	100KHz/0.25V	10.5	9.50
CDRH104RS2R2NT	2.2	30	100KHz/0.25V	10.5	7.50
CDRH104RS2R5NT	2.5	30	100KHz/0.25V	10.5	7.50
CDRH104RS3R3NT	3.3	30	100KHz/0.25V	13	6.00
CDRH104RS3R8NT	3.8	30	100KHz/0.25V	15	6.00
CDRH104RS4R7NT	4.7	30	100KHz/0.25V	23	5.80
CDRH104RS5R2NT	5.2	30	100KHz/0.25V	23	5.50
CDRH104RS6R8NT	6.8	30	100KHz/0.25V	27	4.80
CDRH104RS7R0NT	7.0	30	100KHz/0.25V	27	4.80
CDRH104RS8R2NT	8.2	30	100KHz/0.25V	35	4.40
CDRH104RS100MT	10	20	100KHz/0.25V	35	4.40
CDRH104RS120MT	12	20	100KHz/0.25V	46	4.00
CDRH104RS150MT	15	20	100KHz/0.25V	50	3.60
CDRH104RS180MT	18	20	100KHz/0.25V	70	3.10
CDRH104RS220MT	22	20	100KHz/0.25V	73	2.90
CDRH104RS270MT	27	20	100KHz/0.25V	89	2.60

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH104RS330MT	33	20	100KHz/0.25V	93	2.30
CDRH104RS390MT	39	20	100KHz/0.25V	125	2.20
CDRH104RS470MT	47	20	100KHz/0.25V	128	2.10
CDRH104RS560MT	56	20	100KHz/0.25V	188	1.65
CDRH104RS680MT	68	20	100KHz/0.25V	213	1.50
CDRH104RS820MT	82	20	100KHz/0.25V	300	1.40
CDRH104RS101MT	100	20	100KHz/0.25V	304	1.35
CDRH104RS121MT	120	20	100KHz/0.25V	420	1.18

CDRH105R Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (m Ω)	Isat(A)
CDRH105RS1R5NT	1.5	30	100KHz/0.25V	6	8.30
CDRH105RS2R2NT	2.2	30	100KHz/0.25V	8	7.50
CDRH105RS3R3NT	3.3	30	100KHz/0.25V	11	6.50
CDRH105RS4R7NT	4.7	30	100KHz/0.25V	13	6.10
CDRH105RS6R8NT	6.8	30	100KHz/0.25V	18	5.40
CDRH105RS8R2NT	8.2	30	100KHz/0.25V	20	5.00
CDRH105RS100MT	10	20	100KHz/0.25V	26	4.50
CDRH105RS120MT	12	20	100KHz/0.25V	33	3.80
CDRH105RS150MT	15	20	100KHz/0.25V	41	3.40
CDRH105RS180MT	18	20	100KHz/0.25V	46	3.10
CDRH105RS220MT	22	20	100KHz/0.25V	61	2.90
CDRH105RS270MT	27	20	100KHz/0.25V	69	2.60
CDRH105RS330MT	33	20	100KHz/0.25V	84	2.50
CDRH105RS390MT	39	20	100KHz/0.25V	106	2.25
CDRH105RS470MT	47	20	100KHz/0.25V	130	2.00
CDRH105RS560MT	56	20	100KHz/0.25V	149	1.90
CDRH105RS680MT	68	20	100KHz/0.25V	201	1.60
CDRH105RS820MT	82	20	100KHz/0.25V	227	1.45
CDRH105RS101MT	100	20	100KHz/0.25V	253	1.35
CDRH105RS121MT	120	20	100KHz/0.25V	303	1.18
CDRH105RS151MT	150	20	100KHz/0.25V	370	1.10
CDRH105RS181MT	180	20	100KHz/0.25V	419	1.00
CDRH105RS221MT	220	20	100KHz/0.25V	500	0.94
CDRH105RS271MT	270	20	100KHz/0.25V	672	0.80
CDRH105RS331MT	330	20	100KHz/0.25V	812	0.73
CDRH105RS391MT	390	20	100KHz/0.25V	953	0.70
CDRH105RS471MT	470	20	100KHz/0.25V	1289	0.54
CDRH105RS561MT	560	20	100KHz/0.25V	1430	0.52
CDRH105RS681MT	680	20	100KHz/0.25V	1599	0.51

Part Number	Inductance (μH)	Tolerance (%)	Test Condition	DCR Max. ($\text{m}\Omega$)	Isat(A)
CDRH105RS821MT	820	20	100KHz/0.25V	1768	0.48
CDRH105RS102MT	1000	20	100KHz/0.25V	1989	0.42

Note:

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