

FEATURES

- Low DCR, high rated current.
- Magnetic shielded structure.
- Operating temperature: -40°C ~ +105°C.



APPLICATIONS

- Suppression of common mode noise.
- Power supply system.
- Data lines

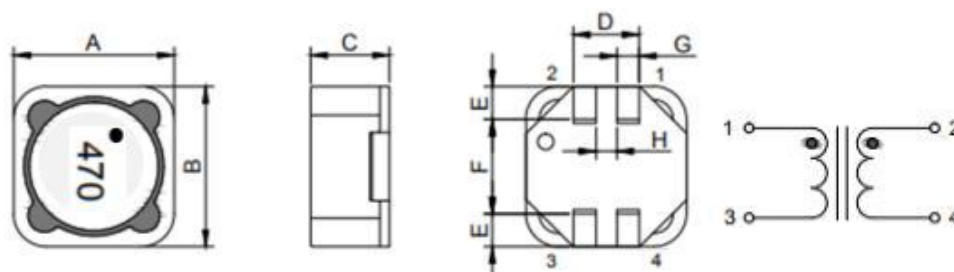
PRODUCT IDENTIFICATION

CMRH 74 S 100 M T

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

SHAPE AND DIMENSIONS



Unit:mm

Series	A	B	C	D	E	F	G	H
CMRH74	7.3±0.2	7.3±0.2	4.6 Max.	2.7 Typ.	1.25 Typ.	4.5 Typ.	0.7 Typ.	1.3 Typ.
CMRH125	12.2±0.3	12.2±0.3	6.5 Max.	5.0 Typ.	2.5 Typ.	7.0 Typ.	1.7 Typ.	1.6 Typ.
CMRH127	12.2±0.3	12.2±0.3	8.5 Max.	5.0 Typ.	2.5 Typ.	7.0 Typ.	1.7 Typ.	1.6 Typ.
CMRH129	12.2±0.3	12.2±0.3	10.5 Max.	5.0 Typ.	2.5 Typ.	7.0 Typ.	1.7 Typ.	1.6 Typ.

SPECIFICATIONS

CMRH74 Series

Part Number	Inductance ($\mu\text{H}@100\text{KHz}$)	Tolerance ($\pm\%$)	DCR Max. (Ω)	Isat Max. (A)	Irms Max. (A)
CMRH74S2R5MT	2.5	20	0.033	6.20	3.06
CMRH74S3R3MT	3.3	20	0.037	5.30	2.89
CMRH74S4R7MT	4.7	20	0.051	4.30	2.46
CMRH74S5R6MT	5.6	20	0.063	4.10	2.22
CMRH74S6R8MT	6.8	20	0.070	3.80	2.10
CMRH74S8R2MT	8.2	20	0.075	3.40	2.03
CMRH74S100MT	10	20	0.10	2.90	1.76
CMRH74S120MT	12	20	0.12	2.60	1.61
CMRH74S150MT	15	20	0.13	2.30	1.54
CMRH74S180MT	18	20	0.17	2.20	1.35
CMRH74S220MT	22	20	0.22	2.00	1.19
CMRH74S270MT	27	20	0.25	1.80	1.11
CMRH74S330MT	33	20	0.27	1.60	1.07
CMRH74S390MT	39	20	0.38	1.40	0.90
CMRH74S470MT	47	20	0.42	1.30	0.86
CMRH74S560MT	56	20	0.46	1.20	0.82
CMRH74S680MT	68	20	0.60	1.10	0.72
CMRH74S820MT	82	20	0.68	1.00	0.67
CMRH74S101MT	100	20	0.77	0.92	0.63
CMRH74S121MT	120	20	1.03	0.80	0.55
CMRH74S151MT	150	20	1.35	0.76	0.48
CMRH74S181MT	180	20	1.52	0.66	0.45
CMRH74S221MT	220	20	1.72	0.62	0.42
CMRH74S271MT	270	20	2.41	0.57	0.36
CMRH74S331MT	330	20	2.70	0.52	0.34
CMRH74S391MT	390	20	3.05	0.47	0.32
CMRH74S471MT	470	20	4.00	0.43	0.28
CMRH74S561MT	560	20	4.43	0.40	0.26
CMRH74S681MT	680	20	5.00	0.37	0.25
CMRH74S821MT	820	20	6.80	0.32	0.21
CMRH74S102MT	1000	20	7.80	0.29	0.20

CMRH125 Series

Part Number	Inductance ($\mu\text{H}@100\text{KHz}$)	Tolerance ($\pm\%$)	DCR Max. ($\text{m}\Omega$)	Isat Max. (A)	Irms Max. (A)
CMRH125S4R7MT	4.7	20	28	7.5	2.8
CMRH125S6R8MT	6.8	20	40	6.0	2.5
CMRH125S100MT	10	20	50	5.5	1.9
CMRH125S220MT	22	20	90	2.5	1.7
CMRH125S330MT	33	20	170	2.3	1.2
CMRH125S470MT	47	20	180	2.0	1.1
CMRH125S101MT	100	20	360	1.5	0.9

CMRH127 Series

Part Number	Inductance ($\mu\text{H}@100\text{KHz}$)	Tolerance ($\pm\%$)	DCR Max. ($\text{m}\Omega$)	Isat Max. (A)	Irms Max. (A)
CMRH127S1R5NT	1.5	30	16	15.5	8.1
CMRH127S2R5NT	2.5	30	18	14.0	7.3
CMRH127S3R3MT	3.3	20	21	11.0	6.5
CMRH127S4R7MT	4.7	20	30	9.0	3.2
CMRH127S6R8MT	6.8	20	35	7.0	2.8
CMRH127S100MT	10	20	44	6.0	2.4
CMRH127S220MT	22	20	80	4.7	2.1
CMRH127S330MT	33	20	130	3.5	1.5
CMRH127S470MT	47	20	150	2.8	1.2
CMRH127S680MT	68	20	215	2.3	1.0
CMRH127S101MT	100	20	300	1.7	0.9
CMRH127S151MT	150	20	400	1.3	0.8
CMRH127S221MT	220	20	650	1.0	0.7
CMRH127S471MT	470	20	1200	0.8	0.6

CMRH129 Series

Part Number	Inductance ($\mu\text{H}@100\text{KHz}$)	Tolerance ($\pm\%$)	DCR Max. ($\text{m}\Omega$)	Isat Max. (A)	Irms Max. (A)
CMRH129S120MT	12	20	18.5	7.04	6.2
CMRH129S150MT	15	20	25	5.8	5.22
CMRH129S220MT	22	20	29	5.12	4.95
CMRH129S330MT	33	20	53	4.25	3.6
CMRH129S470MT	47	20	63	3.6	3.45
CMRH129S560MT	56	20	68	2.85	2.95
CMRH129S680MT	68	20	93	2.76	2.85
CMRH129S820MT	82	20	99	2.62	2.6
CMRH129S101MT	100	20	126	2.31	2.45
CMRH129S121MT	120	20	154	2.05	2.2
CMRH129S151MT	150	20	174	1.8	1.9
CMRH129S181MT	180	20	191	1.66	1.86
CMRH129S221MT	220	20	246	1.64	1.72
CMRH129S331MT	330	20	386	1.28	1.28
CMRH129S391MT	390	20	440	1.2	1.27
CMRH129S471MT	470	20	471	1.06	1.25
CMRH129S561MT	560	20	650	1.01	0.98
CMRH129S681MT	680	20	730	0.83	0.96
CMRH129S821MT	820	20	824	0.81	0.94
CMRH129S102MT	1000	20	1220	0.7	0.78
CMRH129S122MT	1200	20	1330	0.64	0.79
CMRH129S152MT	1500	20	1990	0.56	0.58
CMRH129S182MT	1800	20	2180	0.48	0.54
CMRH129S222MT	2200	20	2580	0.43	0.52
CMRH129S332MT	3300	20	4600	0.3	0.4

Note:

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

Irms: DC current that causes the temperature rise($\Delta T=40^{\circ}\text{C}$) from 25°C ambient.