

TYPE : CDRH4D22, CDRH4D28, CDRH4D28C, CDRH4D28C/LD

Parts No.	L (H)	CDRH4D22			CDRH4D28		CDRH4D28C		CDRH4D28C/LD		
		D.C.R.(Ω) : Max.(Typ.)	Saturation Rated Current (A) *C		D.C.R.(Ω) : Max.(Typ.)	Rated Current (A) *3	D.C.R.(Ω) : Max.(Typ.)	Rated Current (A) *3	D.C.R.(Ω) : Max.(Typ.)	Saturation Rated Current (A) *C	Temperature Rise Rated Current (A) *I
			20℃	100℃							
1R0	1.0μ								17.5m(14m)	3.0	4.9
1R1	1.1μ						22m(17.5m)	3.8			
1R2	1.2μ				23.6m(17.5m)	2.56					
1R5	1.5μ	18.3m(14.1m)	2.00	1.60	4.20						
1R8	1.8μ	21.6m(16.6m)	1.90	1.50	3.70	2.20					
2R0	2.0μ						29m(23.0m)	2.6			
2R2	2.2μ				31.3m(23.2m)	2.04			23.8m(19m)	2.0	3.6
2R3	2.3μ	25.4m(19.5m)	1.80	1.40	3.60						
2R7	2.7μ				43.3m(32.1m)	1.60					
3R2	3.2μ						42m(33.3m)	2.3			
3R3	3.3μ	35.1m(27.0m)	1.40	1.10	3.07	1.57			28.9m(23m)	1.6	3.2
3R9	3.9μ	40.2m(30.9m)	1.30	1.00	3.04	1.44					
4R7	4.7μ	55.9m(43.0m)	1.10	900m	2.08	1.32	63m(50.0m)	1.8	36.3m(29m)	1.5	2.9
5R6	5.6μ	62.0m(47.7m)	1.05	850m	2.05	1.17					
6R3	6.3μ						94m(75.0m)	1.3			
6R8	6.8μ	88.0m(67.7m)	1.00	750m	1.95	1.12			48.8m(39m)	1.2	2.4
8R2	8.2μ	96.5m(74.2m)	900m	650m	1.85	1.04					
100	10μ	102.4m(78.8m)	800m	600m	1.82	1.00	106m(85.0m)	1.26	67.5m(54m)	900m	1.8
120	12μ	110.4m(84.9m)	750m	550m	1.80	1.00					
150	15μ	127.4m(98.0m)	680m	500m	1.59	149.0m(110.4m)	760m	137m(110.0m)	1.05	93.4m(75m)	810m
180	18μ	168.7m(129.8m)	600m	430m	1.41	166.0m(123.0m)	720m				
220	22μ	199.7m(153.6m)	540m	410m	1.32	235.0m(174.5m)	700m	207m(166.0m)	850m	140m(112m)	650m
270	27μ	282.5m(217.3m)	510m	380m	1.04	261.0m(193.3m)	580m				
330	33μ	325.8m(250.6m)	480m	350m	1.02	331.3m(254.8m)	560m	331m(265.0m)	700m	223m(179m)	550m
390	39μ	451.2m(347.1m)	430m	320m	850m	383.7m(284.2m)	500m				
470	47μ	500.4m(384.9m)	380m	300m	820m	587.0m(435.0m)	480m	510m(408.0m)	540m	272m(218m)	430m
560	56μ	555.4m(427.2m)	360m	280m	720m	624.5m(462.6m)	410m				
680	68μ	634.1m(487.8m)	330m	250m	670m	699.0m(517.8m)	350m	625m(500.0m)	490m	366m(293m)	360m
820	82μ	794.6m(608.9m)	300m	220m	580m	914.8m(677.6m)	320m				
101	100μ	880m(670 m)	250m	200m	550m	1.02(765.8m)	290m	948m(758.0m)	400m	520m(416m)	300m
121	120μ	1.14(880 m)	230m	180m	520m	1.27(976.8m)	270m				
151	150μ	1.35(1.04)	210m	170m	470m	1.35(1.08)	240m				
181	180μ					1.54(1.23)	220m				

Measuring Freq. (L)

CDRH4D22	100kHz
CDRH4D28	100kHz
CDRH4D28C	100kHz
CDRH4D28C/LD	100kHz

Tolerance of Inductance

CDRH4D22	1.5μH – 150μH ± 30% (N)
CDRH4D28	1.2μH – 180μH ± 30% (N)
CDRH4D28C	1.1μH – 100μH ± 25%
CDRH4D28C/LD	1.0μH – 100μH ± 25%

Rated Current

*3 It is either the inductance is 35% lower than its nominal value in D.C. saturation characteristics or temperature rise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.

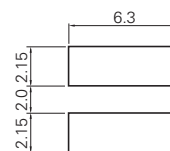
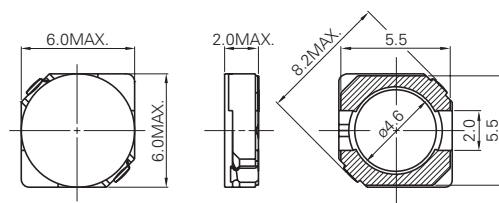
Other

- *C Saturation Rated Current : The current when the inductance becomes 35% lower than its nominal value. ($T_a=20^{\circ}\text{C}$)
- *I Temperature Rise Rated Current : The current when temperature of coil increases up to $\text{Max.}\Delta T=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)
- *IV Temperature Rise Current (Typ.) : The actual current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)

About Lead-free products

- Lead-free products are now available for sale
- To order a lead-free product, please add "NP" after the product type:
e.g. Ordering code of lead product: Type name- $\triangle\triangle\triangle\bigcirc\times$
Ordering code of lead-free product: Type name NP $\triangle\triangle\triangle\bigcirc\times$

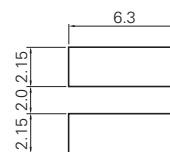
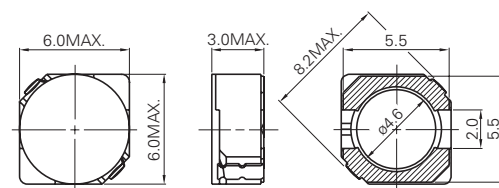
CDRH5D18



CONSTRUCTION



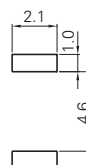
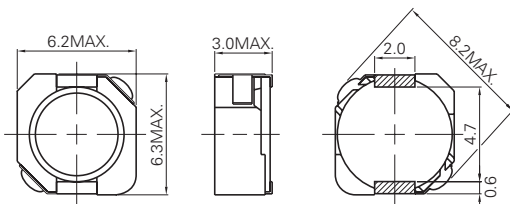
CDRH5D28



CONSTRUCTION



CDRH5D28R



CONSTRUCTION



TYPE : CDRH5D18, CDRH5D28, CDRH5D28R

Parts No.	L (H)	CDRH5D18		CDRH5D28		CDRH5D28R	
		D.C.R.(Ω) : Max.(Typ.)	Rated Current (A) *4	D.C.R.(Ω) : Max.(Typ.)	Rated Current (A) *4	D.C.R.(Ω) : Max.(Typ.)	Rated Current (A) *3
2R5	2.5μ			18m(13m)	2.60	17.6m(13m)	2.60
3R0	3.0μ			24m(18m)	2.40		
3R3	3.3μ					20.3m(15m)	2.30
4R0	4.0μ					27.0m(20m)	2.10
4R1	4.1μ	57m(42m)	1.95				
4R2	4.2μ			31m(23m)	2.20		
5R0	5.0μ					31.1m(23m)	1.85
5R3	5.3μ			38m(28m)	1.90		
5R4	5.4μ	76m(56m)	1.60				
6R0	6.0μ					41.9m(31m)	1.70
6R2	6.2μ	96m(71m)	1.40	45m(33m)	1.80		
8R0	8.0μ					49.9m(37m)	1.50
8R2	8.2μ			53m(39m)	1.60		
8R9	8.9μ	116m(86m)	1.25				
100	10μ	124m(92m)	1.20	65m(48m)	1.30	54.0m(40m)	1.30
120	12μ	153m(113m)	1.10	76m(56m)	1.20	71.6m(53m)	1.20
150	15μ	196m(145m)	970m	103m(76m)	1.10	82.4m(61m)	1.10
180	18μ	210m(155m)	850m	110m(82m)	1.00	101.5m(75m)	1.05
220	22μ	290m(215m)	800m	122m(90m)	900m	119.0m(88m)	950m
270	27μ	330m(245m)	750m	175m(130m)	850m	146.0m(108m)	850m
330	33μ	385m(285m)	650m	189m(140m)	750m	182.5m(135m)	760m
390	39μ	520m(385m)	570m	212m(157m)	700m	209.5m(155m)	680m
470	47μ	595m(440m)	540m	250m(185m)	620m	229.5m(170m)	600m
560	56μ	665m(493m)	500m	305m(226m)	580m	305.0m(226m)	550m
680	68μ	840m(622m)	430m	355m(263m)	520m	351.0m(260m)	480m
820	82μ	978m(725m)	410m	463m(343m)	460m	418.5m(310m)	450m
101	100μ	1.2(895m)	360m	520m(385m)	420m	520.0m(385m)	400m

Measuring Freq. (L)

CDRH5D18 10kHz
 CDRH5D28 10kHz
 CDRH5D28R 100kHz

Tolerance of Inductance

CDRH5D18 4.1μH – 100μH ± 30% (N)
 CDRH5D28 2.5μH – 100μH ± 30% (N)
 CDRH5D28R 2.5μH – 100μH ± 30% (N)

Rated Current

*3 It is either the inductance is 35% lower than its nominal value in D.C. saturation characteristics or temperature raise becomes ΔT=40 °C (Ta=20 °C), whichever is lower.
 *4 It is either the inductance is 35% lower than its nominal value in D.C. saturation characteristics or temperature raise becomes ΔT=30 °C (Ta=20 °C), whichever is lower.

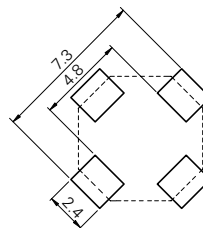
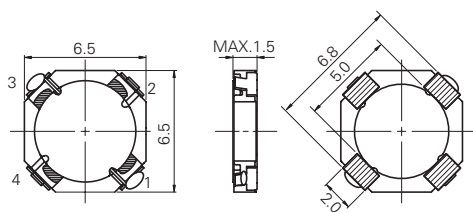
About Lead-free products

- Lead-free products are now available for sale
- To order a lead-free product, please add "NP" after the product type:
 e.g. Ordering code of lead product: Type name-△△△○×
 Ordering code of lead-free product: Type name NP △△△○×

CDRH6D12



(1.0μH - 68μH)



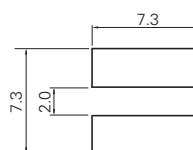
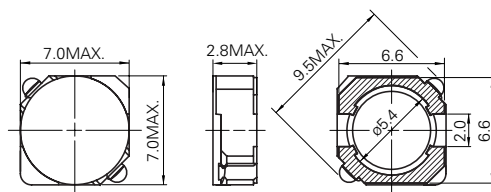
CONSTRUCTION



CDRH6D26



(2.2μH - 100μH)



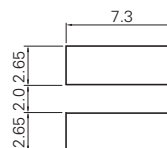
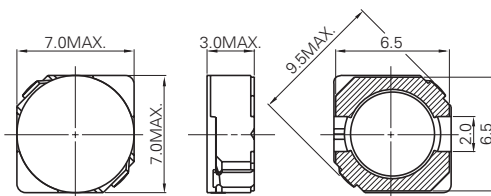
CONSTRUCTION



CDRH6D28



(3.0μH - 100μH)



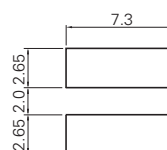
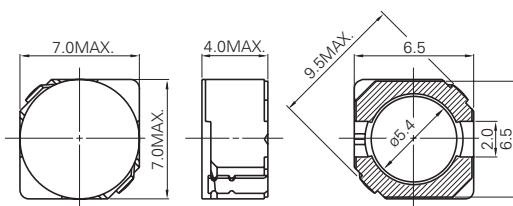
CONSTRUCTION



CDRH6D38



(3.3μH - 100μH)



CONSTRUCTION



TYPE : CDRH6D12, CDRH6D26, CDRH6D28, CDRH6D38

Parts No.	L (H)	CDRH6D12			CDRH6D26		CDRH6D28		CDRH6D38	
		D.C.R.(Ω) : Max.(Typ.)	Saturation Rated Current (A) *C	Temperature Rise Current (Typ.)(A) *IV	D.C.R.(Ω) : Max.(Typ.)	Rated Current (A) *4	D.C.R.(Ω) : Max.(Typ.)	Rated Current (A) *4	D.C.R.(Ω) : Max.(Typ.)	Rated Current (A) *4
1R0	1.0μ	37.5m(30.0m)	3.50	2.80						
1R5	1.5μ	41.3m(33.0m)	2.80	2.50						
2R2	2.2μ	50.0m(40.0m)	2.50	2.30	22m(16.2m)	3.20				
2R6	2.6μ	56.3m(45.0m)	2.30	2.10						
2R9	2.9μ				25m(18.7m)	2.80				
3R0	3.0μ						24m(18m)	3.00		
3R3	3.3μ	62.5m(50.0m)	2.20	1.90					20m(15m)	3.50
3R6	3.6μ				29m(21.3m)	2.50				
3R9	3.9μ						27m(20m)	2.60		
4R2	4.2μ	75.0m(60.0m)	1.90	1.80						
5R0	5.0μ				32m(23.4m)	2.20	31m(23m)	2.40	24m(18m)	2.90
5R6	5.6μ				36m(26.5m)	2.00				
6R0	6.0μ						35m(26m)	2.25		
6R2	6.2μ								27m(20m)	2.50
6R4	6.4μ	119.0m(95.0m)	1.50	1.40						
6R8	6.8μ				54m(40.0m)	1.80				
7R3	7.3μ						54m(40m)	2.10		
7R4	7.4μ								31m(23m)	2.30
8R0	8.0μ				60m(44.0m)	1.60				
8R6	8.6μ						58m(43m)	1.85		
8R7	8.7μ								34m(25m)	2.20
100	10μ	165.0m(132.0m)	1.20	1.10	71m(52.8m)	1.50	65m(48m)	1.70	38m(28m)	2.00
120	12μ				78m(57.4m)	1.30	70m(52m)	1.55	53m(39m)	1.70
150	15μ	243.8m(195.0m)	950m	900m	106m(78.6m)	1.20	84m(62m)	1.40	57m(42m)	1.60
180	18μ				114m(84.2m)	1.10	95m(70m)	1.32	92m(68m)	1.50
220	22μ	325.0m(260.0m)	800m	750m	129m(95.4m)	1.00	128m(95m)	1.20	96m(71m)	1.30
270	27μ				185m(136.6m)	900m	142m(105m)	1.05	109m(81m)	1.20
330	33μ	500.0m(400.0m)	650m	600m	203m(150.2m)	800m	165m(122m)	970m	124m(92m)	1.10
390	39μ				223m(165.2m)	750m	210m(156m)	860m	138m(102m)	1.00
470	47μ	675.0m(540.0m)	550m	500m	300m(221.6m)	700m	238m(176m)	800m	155m(115m)	950m
560	56μ				340m(251.4m)	650m	277m(205m)	730m	202m(150m)	850m
680	68μ	918.8m(735.0m)	450m	400m	347m(257.0m)	580m	304m(225m)	650m	234m(173m)	750m
820	82μ				490m(364.0m)	530m	390m(290m)	600m	324m(240m)	700m
101	100μ				560m(414.8m)	500m	535m(397m)	540m	358m(265m)	650m

Measuring Freq. (L)

CDRH6D12 100kHz

CDRH6D26 10kHz

CDRH6D28 10kHz

CDRH6D38 10kHz

Tolerance of Inductance

CDRH6D12 1.0μH – 68μH ± 30% (N)

CDRH6D26 2.2μH – 100μH ± 30% (N)

CDRH6D28 3.0μH – 100μH ± 30% (N)

CDRH6D38 3.3μH – 100μH ± 30% (N)

Rated Current

*4 It is either the inductance is 35% lower than its nominal value in D.C. saturation characteristics or temperature raise becomes ΔT=30 °C (Ta=20 °C), whichever is lower.

Other

*C Saturation Rated Current : The current when the inductance becomes 35% lower than its nominal value.(Ta=20 °C)

*IV Temperature Rise Current (Typ.) : The actual current when temperature of coil becomes ΔT=40 °C. (Ta=20 °C)

About Lead-free products

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e.g. Ordering code of lead product: Type name-△△△○×

Ordering code of lead-free product: Type name NP △△△○×