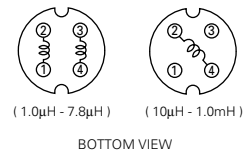
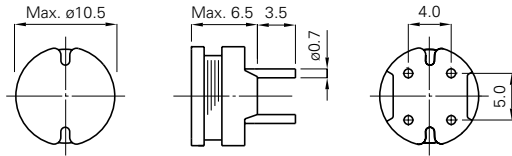
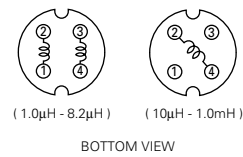
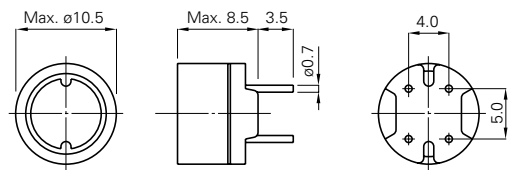
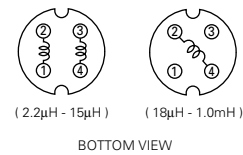
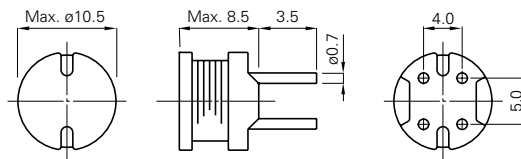
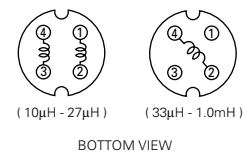
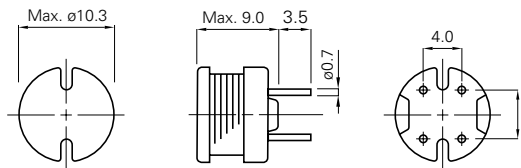
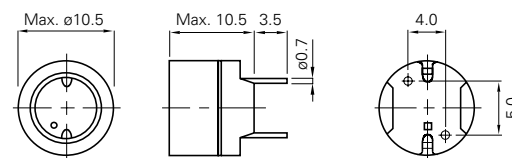


ø10 series
RCH-106
DIMENSIONS (mm)
CONNECTION
CONSTRUCTION

RCR-108D
DIMENSIONS (mm)
CONNECTION
CONSTRUCTION

RCH-108
DIMENSIONS (mm)
CONNECTION
CONSTRUCTION

RCH109
DIMENSIONS (mm)
CONNECTION
CONSTRUCTION

RCR1010
DIMENSIONS (mm)
CONSTRUCTION


TYPE : RCH-106, RCR-108D, RCH-108

Parts No.	L (H)	RCH-106		RCR-108D		RCH-108	
		D.C.R.(Ω) : Max.	Rated Current (A) *1	D.C.R.(Ω) : Max.	Rated Current (A) *1	D.C.R.(Ω) : Max.	Rated Current (A) *1
1R0	1.0μ	5.0m	9.30	6.5m	9.15		
1R2	1.2μ	6.9m	8.00				
1R5	1.5μ			8.5m	7.40		
1R8	1.8μ	8.0m	7.40				
2R2	2.2μ			9.5m	6.05	8.5m	7.90
2R7	2.7μ					9.6m	7.20
2R8	2.8μ	11.8m	6.00				
3R3	3.3μ			13.5m	4.90		
3R6	3.6μ	13.8m	5.70				
3R7	3.7μ					10.9m	6.30
4R3	4.3μ			14.5m	4.25		
4R7	4.7μ					11.7m	5.70
5R1	5.1μ	19.6m	4.60				
5R6	5.6μ			18.5m	3.65		
6R2	6.2μ					15.3m	5.30
6R3	6.3μ	23.1m	4.20				
6R8	6.8μ			20.0m	3.40		
7R8	7.8μ	24.8m	3.90				
8R2	8.2μ			20.5m	3.00	17.0m	5.00
100	10μ	40m	3.60	50m	2.80	27m	4.50
120	12μ	44m	3.30	60m	2.50	31m	4.10
150	15μ	58m	2.90	70m	2.30	36m	3.70
180	18μ	64m	2.70	80m	2.10	49m	3.40
220	22μ	88m	2.40	90m	2.00	55m	3.10
270	27μ	100m	2.20	100m	1.76	62m	2.80
330	33μ	110m	2.00	110m	1.60	79m	2.50
390	39μ	140m	1.80	120m	1.38	87m	2.30
470	47μ	160m	1.70	140m	1.28	99m	2.10
560	56μ	190m	1.50	150m	1.20	130m	1.90
680	68μ	220m	1.40	160m	1.00	140m	1.70
820	82μ	290m	1.30	180m	960m	160m	1.60
101	100μ	320m	1.30	200m	920m	210m	1.40
121	120μ	380m	1.20	240m	800m	240m	1.30
151	150μ	500m	1.00	350m	730m	320m	1.20
181	180μ	560m	840m	400m	640m	350m	1.10
221	220μ	780m	760m	540m	610m	450m	960m
271	270μ	920m	690m	760m	560m	610m	870m
331	330μ	1.10	620m	860m	500m	690m	790m
391	390μ	1.30	570m	930m	440m	780m	720m
471	470μ	1.50	520m	1.23	410m	1.00	660m
561	560μ	1.90	480m	1.34	380m	1.20	600m
681	680μ	2.20	430m	1.53	340m	1.40	550m
821	820μ	2.60	400m	2.10	320m	1.80	500m
102	1.0m	3.20	360m	2.30	280m	2.10	450m

Measuring Freq. (L)

RCH-106 1.0μH - 7.8μH (7.96MHz), 10μH - 1.0mH (1kHz)
 RCR-108D 1.0μH - 8.2μH (7.96MHz), 10μH - 1.0mH (1kHz)
 RCH-108 2.2μH - 8.2μH (7.96MHz), 10μH - 1.0mH (1kHz)

Tolerance of Inductance

RCH-106 1.0μH - 1.2μH ± 30% (N), 1.8μH - 27μH ± 20% (M), 33μH - 1.0mH ± 10% (K)
 RCR-108D 1.0μH - 8.2μH ± 30% (N), 10μH - 47μH ± 20% (M), 56μH - 1.0mH ± 15% (L)
 RCH-108 2.2μH - 27μH ± 20% (M), 33μH - 1.0mH ± 10% (K)

TYPE : RCH109, RCR1010

Parts No.	L (H)	RCH109				RCR1010			
		D.C.R.(Ω) : Max. (Typ.)	DC Superposition Permission Current (A)*1		Temperature Rise Current (A)*B	D.C.R.(Ω) : Max.(Typ.)	Saturation Current(A) *A		Temperature Rise Current (A) *B
			20℃	100℃			20℃	105℃	
100	10μ	25m(19m)	4.50	3.40	4.50	25.1m(20.1m)	4.80	3.80	4.30
120	12μ	29m(23m)	4.00	2.95	4.10	26.6m(21.3m)	4.50	3.50	1.20
150	15μ	35m(28m)	3.65	2.55	3.75	31.3m(25.1m)	4.00	3.20	4.10
180	18μ	43m(34m)	3.20	2.35	2.85	33.8m(27.1m)	3.80	2.90	4.00
220	22μ	47m(37m)	3.05	2.00	2.70	38.3m(30.6m)	3.40	2.60	3.80
270	27μ	54m(43m)	2.70	1.85	2.50	40.9m(32.7m)	3.00	2.50	3.60
330	33μ	72m(57m)	2.45	1.70	2.40	53.8m(43.1m)	2.70	2.20	3.20
390	39μ	78m(62m)	2.10	1.50	2.20	73.4m(58.7m)	2.50	2.00	2.50
470	47μ	92m(74m)	2.00	1.40	2.05	102m(81.7m)	2.20	1.80	2.20
560	56μ	116m(93m)	1.75	1.30	1.80	111m(89.0m)	2.10	1.70	2.10
680	68μ	130m(104m)	1.65	1.25	1.60	138m(110m)	1.80	1.40	1.90
820	82μ	150m(120m)	1.50	1.15	1.50	160m(128m)	1.70	1.30	1.80
101	100μ	200m(160m)	1.35	1.00	1.40	175m(140m)	1.50	1.20	1.70
121	120μ	225m(180m)	1.25	920m	1.25	194m(155m)	1.40	1.10	1.60
151	150μ	288m(230m)	1.10	820m	1.05	226m(181m)	1.20	1.00	1.50
181	180μ	340m(270m)	1.00	760m	1.00	275m(220m)	1.10	900m	1.40
221	220μ	420m(330m)	940m	700m	920m	313m(251m)	1.00	800m	1.30
271	270μ	570m(450m)	850m	650m	770m	451m(361m)	950m	740m	1.00
331	330μ	650m(520m)	770m	600m	670m	501m(401m)	880m	640m	980m
391	390μ	730m(580m)	710m	510m	630m	563m(451m)	780m	600m	940m
471	470μ	950m(760m)	650m	450m	590m	749m(599m)	720m	580m	800m
561	560μ	1.08(860m)	600m	400m	520m	849m(683m)	680m	550m	750m
681	680μ	1.24(990m)	540m	380m	500m	1.20(962m)	600m	480m	630m
821	820μ	1.59(1.32)	480m	360m	420m	1.34(1.07)	570m	450m	600m
102	1.0m	1.84(1.53)	440m	340m	400m	1.49(1.19)	480m	390m	550m

Measuring Freq. (L)

RCH109 1kHz
 RCR1010 100kHz
 RCH109 10μH - 27μH ± 20% (M), 33μH - 1.0mH ± 10% (K)
 RCR1010 10μH - 1.0mH ± 20% (M)

Tolerance of Inductance

Rated Current

*1 It is either the inductance is 10% lower than its initial value in D.C. saturation characteristics or temperature raise becomes ΔT=40°C (Ta=20°C), whichever is lower.

Other

*A Saturation Current : This indicates the value of D.C. current when the inductance decreases to 80% of it's nominal. (Ta=20°C)
 *B Temperature Rise Current : The actual current when temperature of coil becomes ΔT=40°C. (Ta=20°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-△△△○×
 Ordering code of lead-free product : Type name NP△△△○×

Ordering Code

RCH-106 - △△△○×

△ : Parts No. ○ : Tolerance of inductance × : Packing
 K (10%) B (Box)
 M (20%)