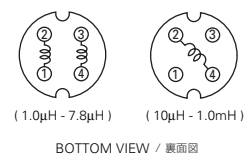
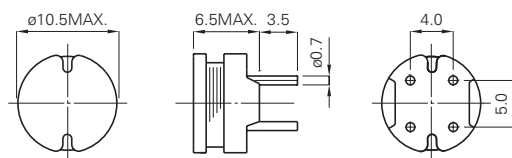


10 ϕ series

RCH-106

DIMENSIONS (mm)
外形寸法図

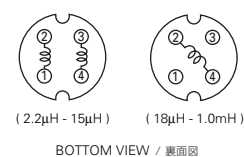
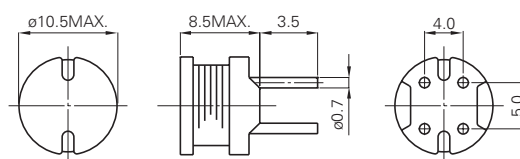
CONNECTION
端子接続

CONSTRUCTION
磁気構造図


RCH-108

DIMENSIONS (mm)
外形寸法図

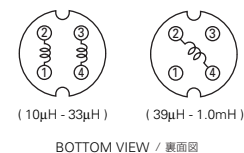
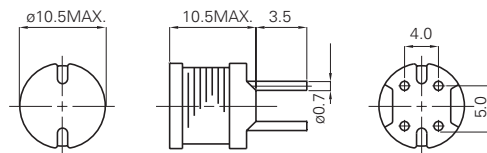
CONNECTION
端子接続

CONSTRUCTION
磁気構造図


RCH-110

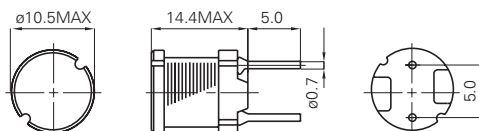
DIMENSIONS (mm)
外形寸法図

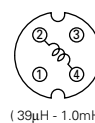
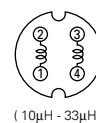
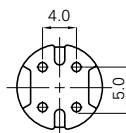
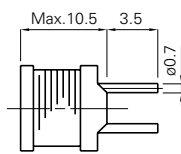
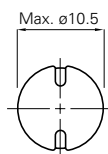
CONNECTION
端子接続

CONSTRUCTION
磁気構造図


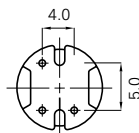
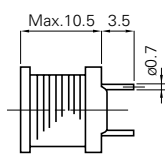
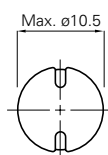
RCH-114

DIMENSIONS (mm)
外形寸法図

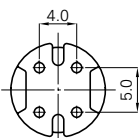
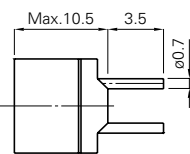
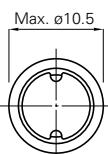
CONSTRUCTION
磁気構造図


ø10 series
RCH-110


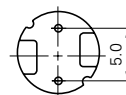
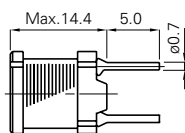
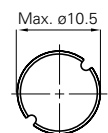
BOTTOM VIEW

I
RCH110B


BOTTOM VIEW

I
RCR-110D


BOTTOM VIEW

I
RCH-114

I

TYPE : RCH-106, RCH-108, RCH-110, RCH-114

Parts No.	L (H)	RCH-106		RCH-108		RCH-110		RCH-114	
		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	D.C.R.(Ω):Max.(Typ.)	Rated Current (A) *1
1R0	1.0μ	5.0m	9.3						
1R2	1.2μ	6.9m	8.0						
1R8	1.8μ	8.0m	7.4						
2R2	2.2μ			8.5m	7.9				
2R7	2.7μ			9.6m	7.2				
2R8	2.8μ	11.8m	6.0						
3R6	3.6μ	13.8m	5.7						
3R7	3.7μ			10.9m	6.3				
4R7	4.7μ			11.7m	5.7				
5R1	5.1μ	19.6m	4.6						
6R2	6.2μ			15.3m	5.3				
6R3	6.3μ	23.1m	4.2					26m(20m)	4.3
7R5	7.5μ							29m(22m)	4.2
7R8	7.8μ	24.8m	3.9						
8R2	8.2μ			17.0m	5.0				
8R8	8.8μ							30m(23m)	4.1
100	10μ	40m	3.6	27m	4.5	22m	5.3	33m(25m)	4.0
120	12μ	44m	3.3	31m	4.1	23m	4.9	35m(27m)	3.9
150	15μ	58m	2.9	36m	3.7	26m	4.4	39m(30m)	3.7
180	18μ	64m	2.7	49m	3.4	33m	4.0	47m(36m)	3.5
220	22μ	88m	2.4	55m	3.1	37m	3.6	51m(39m)	3.3
270	27μ	100m	2.2	62m	2.8	48m	3.3	57m(44m)	3.1
330	33μ	110m	2.0	79m	2.5	55m	2.9	64m(49m)	2.9
390	39μ	140m	1.8	87m	2.3	73m	2.7	74m(57m)	2.7
470	47μ	160m	1.7	99m	2.1	83m	2.5	83m(64m)	2.5
560	56μ	190m	1.5	130m	1.9	92m	2.3	104m(80m)	2.3
680	68μ	220m	1.4	140m	1.7	120m	2.1	117m(90m)	2.1
820	82μ	290m	1.3	160m	1.6	140m	1.9	130m(100m)	1.9
101	100μ	320m	1.3	210m	1.4	160m	1.7	143m(110m)	1.7
121	120μ	380m	1.2	240m	1.3	200m	1.5	195m(150m)	1.5
151	150μ	500m	1.0	320m	1.2	230m	1.4	221m(170m)	1.4
181	180μ	560m	840m	350m	1.1	310m	1.3	260m(200m)	1.3
221	220μ	780m	760m	450m	960m	340m	1.1	350m(270m)	1.2
271	270μ	920m	690m	610m	870m	400m	1.0	390m(300m)	1.1
331	330μ	1.1	620m	690m	790m	520m	930m	520m(400m)	1.0
391	390μ	1.3	570m	780m	720m	650m	860m	570m(440m)	920m
471	470μ	1.5	520m	1.0	660m	710m	780m	650m(500m)	840m
561	560μ	1.9	480m	1.2	600m	1.0	710m	790m(610m)	750m
681	680μ	2.2	430m	1.4	550m	1.1	650m	960m(740m)	690m
821	820μ	2.6	400m	1.8	500m	1.3	590m	1.22(940m)	620m
102	1.0m	3.2	360m	2.1	450m	1.7	530m	1.6(1.3)	520m
122	1.2m							2.2(1.8)	460m
152	1.5m							2.5(2.0)	410m
182	1.8m							2.9(2.3)	360m
222	2.2m							3.2(2.6)	320m
272	2.7m							3.7(3.0)	290m
332	3.3m							5.0(4.0)	270m
392	3.9m							5.6(4.5)	250m
472	4.7m							7.4(5.9)	230m
562	5.6m							8.2(6.6)	210m
682	6.8m							11.9(9.5)	190m
822	8.2m							14(11)	170m
103	10m							16(13)	160m
123	12m							21(17)	150m
153	15m							24(19)	140m
183	18m							27(22)	130m
223	22m							34(27)	120m
273	27m							39(31)	110m
333	33m							51(41)	100m
393	39m							58(46)	90m

Measuring Freq. (L) / インダクタンス測定周波数 (L)

RCH-106	1.0μH – 7.8μH (7.96MHz), 10μH – 1.0mH (1kHz)
RCH-108	2.2μH – 8.2μH (7.96MHz), 10μH – 1.0mH (1kHz)
RCH-110	10μH – 1.0mH (1kHz)
RCH-114	6.3μH – 8.8μH (7.96MHz), 10μH – 39mH (1kHz)

Rated Current / 定格電流とは

*1 It is either the inductance is 10% lower than its initial value in D.C. saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.

*1 直流重畳特性において、定格電流を流した時、インダクタンスが初期値の90%以上となる電流値もしくは、コイルの発熱が、 $\Delta T=40^{\circ}\text{C}$ 以下となる電流のどちらか少ない方の値とする。(Ta=20℃)

Tolerance of Inductance / インダクタンス公差

RCH-106	1.0μH – 1.2μH ± 30% (N), 1.8μH – 27μH ± 20% (M), 33μH – 1.0mH ± 10% (K)
RCH-108	2.2μH – 27μH ± 20% (M), 33μH – 1.0mH ± 10% (K)
RCH-110	10μH – 27μH ± 20% (M), 33μH – 1.0mH ± 10% (K)
RCH-114	6.3μH – 8.8μH ± 20% (M), 10μH – 39mH ± 10% (K)

About Lead-free products / 無鉛製品について

- Lead-free products are now available for sale
- To order a lead-free product, please add "NP" after the product type:
- 無鉛製品は現在、販売されております。
- ご注文の際は製品タイプ名の後に" NP" をつけてください。
- e.g. Ordering code of lead product: Type name- $\Delta\Delta\Delta\bigcirc\times$
Ordering code of lead-free product: Type name NP $\Delta\Delta\Delta\bigcirc\times$

TYPE : RCH-110, RCH110B, RCR-110D, RCH-114

[illegible]

Measuring Freq. (L)

RCH-110	6.3μH – 8.8μH (7.96MHz), 10μH – 39mH (1kHz)
RCH110B	10μH – 1.0mH (1kHz)
RCR-110D	10μH – 1.0mH (1kHz)
RCH-114	6.3μH – 8.8μH (7.96MHz), 10μH – 39mH (1kHz)

Tolerance of Inductance

RCH-110	10μH – 27μH ± 20% (M), 33μH – 1.0mH ± 10% (K)
RCH110B	10μH – 27μH ± 20% (M), 33μH – 1.0mH ± 10% (K)
RCH-110D	10μH – 27μH ± 20% (M), 33μH – 1.0mH ± 15% (L)
RCH-114	6.3μH – 8.8μH ± 20% (M), 10μH – 39mH ± 10% (K)

Rated Current

*1 It is either the inductance is 10% lower than its initial value in D.C. saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.

Other

*A DC Superposition Permission Current : This indicates the value of current when the inductance is 10% lower then its initial value at D.C. superposition.

*B Temperature Rise Current : The value of D.C. current when the temperature rise is $\Delta t=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)

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

Ordering Code

RCH-110 - ΔΔΔOX

△ : Parts No. ○ : Tolerance of inductance × : Packing
 K (10%) B (Box)
 L (15%)
 M (20%)