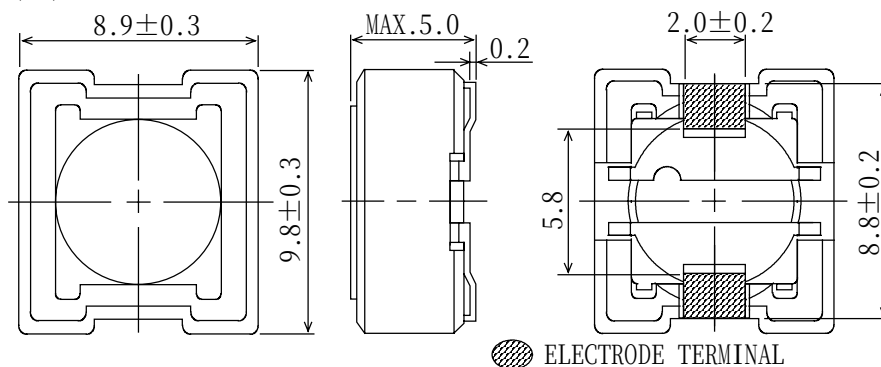


SPECIFICATION

TYPE
CDRH104

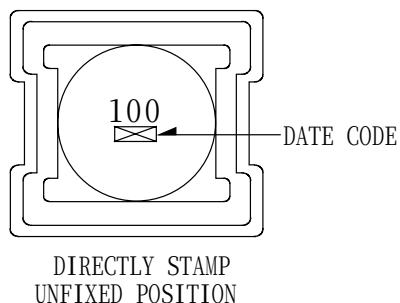
1. APPEARANCE

1-1.DIMENSIONS(mm)

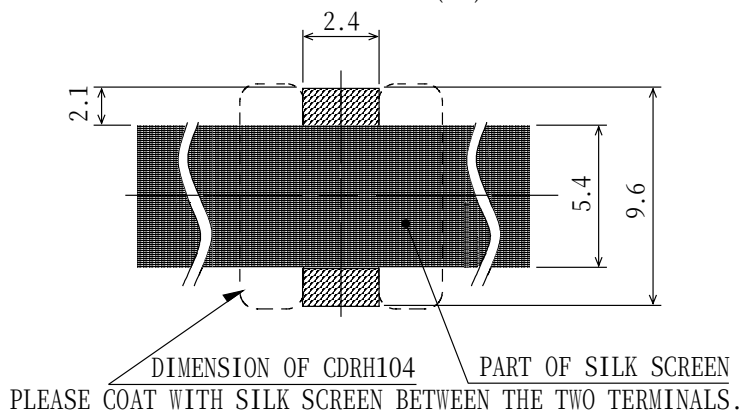


* DIMENSIONS WITHOUT TOLERANCE ARE APPROX.

1-2.STAMP(E.G.)

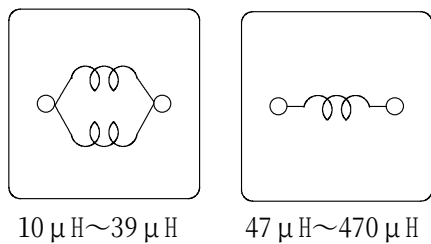


1-3.RECOMMENDED DIMENSIONS (mm)



2. COIL SPECIFICATION

2-1.CONNECTION (BOTTOM VIEW)



RoHS

compliance

Cd:Max.0.01wt%

others:Max.0.1wt%

SPECIFICATION

TYPE
CDRH104

2-2.ELECTRICAL CHARACTERISTICS I (IN THE CASE OF REEL)

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (Ω)[MAX.] (at 20°C) ※2	RATED CURRENT (A) ※3	SUMIDA CODE
01	CDRH104NP-100MC	100	10 μ H $\pm$ 20%	50m(37m)	2.40	4746-0270
02	CDRH104NP-120MC	120	12 μ H $\pm$ 20%	54m(40m)	2.25	4746-0271
03	CDRH104NP-150MC	150	15 μ H $\pm$ 20%	61m(45m)	2.00	4746-0272
04	CDRH104NP-180MC	180	18 μ H $\pm$ 20%	84m(63m)	1.80	4746-0273
05	CDRH104NP-220MC	220	22 μ H $\pm$ 20%	94m(69m)	1.65	4746-0274
06	CDRH104NP-270MC	270	27 μ H $\pm$ 20%	0.11(82m)	1.45	4746-0275
07	CDRH104NP-330MC	330	33 μ H $\pm$ 20%	0.15(0.11)	1.35	4746-0276
08	CDRH104NP-390MC	390	39 μ H $\pm$ 20%	0.17(0.13)	1.20	4746-0277
09	CDRH104NP-470MC	470	47 μ H $\pm$ 20%	0.21(0.15)	1.10	4746-0279
10	CDRH104NP-560MC	560	56 μ H $\pm$ 20%	0.23(0.17)	1.00	4746-0280
11	CDRH104NP-680MC	680	68 μ H $\pm$ 20%	0.26(0.20)	0.93	4746-0281
12	CDRH104NP-820MC	820	82 μ H $\pm$ 20%	0.36(0.27)	0.84	4746-0282
13	CDRH104NP-101MC	101	100 μ H $\pm$ 20%	0.41(0.30)	0.76	4746-0283
14	CDRH104NP-121MC	121	120 μ H $\pm$ 20%	0.45(0.34)	0.70	4746-0284
15	CDRH104NP-151MC	151	150 μ H $\pm$ 20%	0.64(0.47)	0.63	4746-0285
16	CDRH104NP-181MC	181	180 μ H $\pm$ 20%	0.84(0.62)	0.57	4746-0286
17	CDRH104NP-221MC	221	220 μ H $\pm$ 20%	0.96(0.71)	0.52	4746-0287
18	CDRH104NP-271MC	271	270 μ H $\pm$ 20%	1.07(0.79)	0.47	4746-0288
19	CDRH104NP-331MC	331	330 μ H $\pm$ 20%	1.37(1.05)	0.43	4746-0291
20	CDRH104NP-391MC	391	390 μ H $\pm$ 20%	1.55(1.19)	0.39	4746-0292
21	CDRH104NP-471MC	471	470 μ H $\pm$ 20%	1.74(1.34)	0.36	4746-0293

SPECIFICATION

TYPE
CDRH104

2-3.ELECTRICAL CHARACTERISTICS II (IN THE CASE OF BOX)

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (Ω)[MAX.] (at 20°C) ※2	RATED CURRENT (A) ※3	SUMIDA CODE
22	CDRH104NP-100MB	100	10 μ H $\pm$ 20%	50m(37m)	2.40	4746-0294
23	CDRH104NP-120MB	120	12 μ H $\pm$ 20%	54m(40m)	2.25	4746-0295
24	CDRH104NP-150MB	150	15 μ H $\pm$ 20%	61m(45m)	2.00	4746-0296
25	CDRH104NP-180MB	180	18 μ H $\pm$ 20%	84m(63m)	1.80	4746-0297
26	CDRH104NP-220MB	220	22 μ H $\pm$ 20%	94m(69m)	1.65	4746-0298
27	CDRH104NP-270MB	270	27 μ H $\pm$ 20%	0.11(82m)	1.45	4746-0299
28	CDRH104NP-330MB	330	33 μ H $\pm$ 20%	0.15(0.11)	1.35	4746-0300
29	CDRH104NP-390MB	390	39 μ H $\pm$ 20%	0.17(0.13)	1.20	4746-0325
30	CDRH104NP-470MB	470	47 μ H $\pm$ 20%	0.21(0.15)	1.10	4746-0326
31	CDRH104NP-560MB	560	56 μ H $\pm$ 20%	0.23(0.17)	1.00	4746-0327
32	CDRH104NP-680MB	680	68 μ H $\pm$ 20%	0.26(0.20)	0.93	4746-0328
33	CDRH104NP-820MB	820	82 μ H $\pm$ 20%	0.36(0.27)	0.84	4746-0329
34	CDRH104NP-101MB	101	100 μ H $\pm$ 20%	0.41(0.30)	0.76	4746-0330
35	CDRH104NP-121MB	121	120 μ H $\pm$ 20%	0.45(0.34)	0.70	4746-0331
36	CDRH104NP-151MB	151	150 μ H $\pm$ 20%	0.64(0.47)	0.63	4746-0332
37	CDRH104NP-181MB	181	180 μ H $\pm$ 20%	0.84(0.62)	0.57	4746-0333
38	CDRH104NP-221MB	221	220 μ H $\pm$ 20%	0.96(0.71)	0.52	4746-0335
39	CDRH104NP-271MB	271	270 μ H $\pm$ 20%	1.07(0.79)	0.47	4746-0336
40	CDRH104NP-331MB	331	330 μ H $\pm$ 20%	1.37(1.05)	0.43	4746-0337
41	CDRH104NP-391MB	391	390 μ H $\pm$ 20%	1.55(1.19)	0.39	4746-0338
42	CDRH104NP-471MB	471	470 μ H $\pm$ 20%	1.74(1.34)	0.36	4746-0339

※1: MEASURED FREQUENCY L at 1 kHz

※2: ()TYPICAL VALUE.

※3: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 75% LOWER THAN ITS NOMINAL VALUE AT D.C. SUPERPOSITION OR D.C. CURRENT WHEN $\Delta T=40^{\circ}\text{C}$ WHICHEVER IS LOWER.(Ta=20°C)

3. STORAGE TEMPERATURE RANGE : $-40^{\circ}\text{C}\sim+100^{\circ}\text{C}$

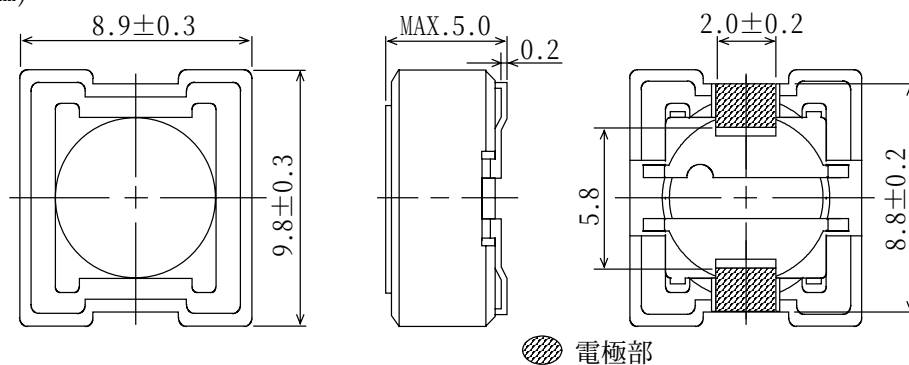
OPERATING TEMPERATURE RANGE: $-40^{\circ}\text{C}\sim+100^{\circ}\text{C}$ (INCLUDING SELF TEMPERATURE RISE)

仕様書

形 名
CDRH104

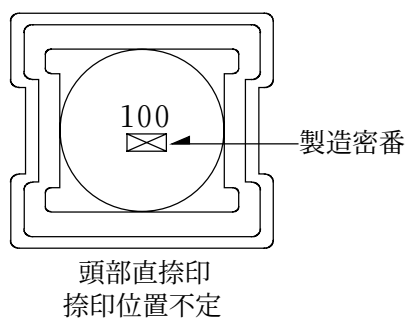
1. 外形

1-1. 寸法図(mm)

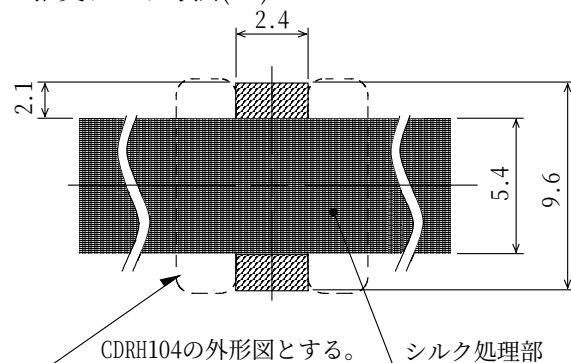


* 公差のない寸法は参考値とする。

1-2. 捺印表示例



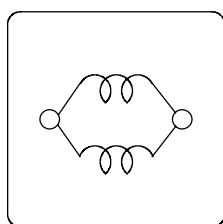
1-3. 推奨ランド寸法(mm)



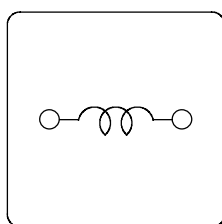
* 電極(端子)間の隙間はシルク処理をして御使用下さい。

2. COIL仕様

2-1. 端子接続図(裏面図)



10 μ H ~ 39 μ H



47 μ H ~ 470 μ H

RoHS

compliance

Cd: Max. 0.01wt%

others: Max. 0.1wt%

仕 様 書

形 名

CDRH104

2-2. 電気的特性 I (リール梱包の場合)

NO.	品 名	表示	インダクタンス [以内] ※1	D.C.R. (Ω)[以下] (at 20°C)※2	定格電流 (A) ※3	スミダ コード
01	CDRH104NP-100MC	100	10 μ H $\pm$ 20%	50m(37m)	2.40	4746-0270
02	CDRH104NP-120MC	120	12 μ H $\pm$ 20%	54m(40m)	2.25	4746-0271
03	CDRH104NP-150MC	150	15 μ H $\pm$ 20%	61m(45m)	2.00	4746-0272
04	CDRH104NP-180MC	180	18 μ H $\pm$ 20%	84m(63m)	1.80	4746-0273
05	CDRH104NP-220MC	220	22 μ H $\pm$ 20%	94m(69m)	1.65	4746-0274
06	CDRH104NP-270MC	270	27 μ H $\pm$ 20%	0.11(82m)	1.45	4746-0275
07	CDRH104NP-330MC	330	33 μ H $\pm$ 20%	0.15(0.11)	1.35	4746-0276
08	CDRH104NP-390MC	390	39 μ H $\pm$ 20%	0.17(0.13)	1.20	4746-0277
09	CDRH104NP-470MC	470	47 μ H $\pm$ 20%	0.21(0.15)	1.10	4746-0279
10	CDRH104NP-560MC	560	56 μ H $\pm$ 20%	0.23(0.17)	1.00	4746-0280
11	CDRH104NP-680MC	680	68 μ H $\pm$ 20%	0.26(0.20)	0.93	4746-0281
12	CDRH104NP-820MC	820	82 μ H $\pm$ 20%	0.36(0.27)	0.84	4746-0282
13	CDRH104NP-101MC	101	100 μ H $\pm$ 20%	0.41(0.30)	0.76	4746-0283
14	CDRH104NP-121MC	121	120 μ H $\pm$ 20%	0.45(0.34)	0.70	4746-0284
15	CDRH104NP-151MC	151	150 μ H $\pm$ 20%	0.64(0.47)	0.63	4746-0285
16	CDRH104NP-181MC	181	180 μ H $\pm$ 20%	0.84(0.62)	0.57	4746-0286
17	CDRH104NP-221MC	221	220 μ H $\pm$ 20%	0.96(0.71)	0.52	4746-0287
18	CDRH104NP-271MC	271	270 μ H $\pm$ 20%	1.07(0.79)	0.47	4746-0288
19	CDRH104NP-331MC	331	330 μ H $\pm$ 20%	1.37(1.05)	0.43	4746-0291
20	CDRH104NP-391MC	391	390 μ H $\pm$ 20%	1.55(1.19)	0.39	4746-0292
21	CDRH104NP-471MC	471	470 μ H $\pm$ 20%	1.74(1.34)	0.36	4746-0293

仕 様 書

形 名
CDRH104

2-3.電気的特性Ⅱ(箱梱包の場合)

NO.	品 名	表示	インダクタンス [以内] ※1	D.C.R. (Ω)[以下] (at 20°C)※2	定格電流 (A) ※3	スミダ コード
22	CDRH104NP-100MB	100	10 μ H $\pm$ 20%	50m(37m)	2.40	4746-0294
23	CDRH104NP-120MB	120	12 μ H $\pm$ 20%	54m(40m)	2.25	4746-0295
24	CDRH104NP-150MB	150	15 μ H $\pm$ 20%	61m(45m)	2.00	4746-0296
25	CDRH104NP-180MB	180	18 μ H $\pm$ 20%	84m(63m)	1.80	4746-0297
26	CDRH104NP-220MB	220	22 μ H $\pm$ 20%	94m(69m)	1.65	4746-0298
27	CDRH104NP-270MB	270	27 μ H $\pm$ 20%	0.11(82m)	1.45	4746-0299
28	CDRH104NP-330MB	330	33 μ H $\pm$ 20%	0.15(0.11)	1.35	4746-0300
29	CDRH104NP-390MB	390	39 μ H $\pm$ 20%	0.17(0.13)	1.20	4746-0325
30	CDRH104NP-470MB	470	47 μ H $\pm$ 20%	0.21(0.15)	1.10	4746-0326
31	CDRH104NP-560MB	560	56 μ H $\pm$ 20%	0.23(0.17)	1.00	4746-0327
32	CDRH104NP-680MB	680	68 μ H $\pm$ 20%	0.26(0.20)	0.93	4746-0328
33	CDRH104NP-820MB	820	82 μ H $\pm$ 20%	0.36(0.27)	0.84	4746-0329
34	CDRH104NP-101MB	101	100 μ H $\pm$ 20%	0.41(0.30)	0.76	4746-0330
35	CDRH104NP-121MB	121	120 μ H $\pm$ 20%	0.45(0.34)	0.70	4746-0331
36	CDRH104NP-151MB	151	150 μ H $\pm$ 20%	0.64(0.47)	0.63	4746-0332
37	CDRH104NP-181MB	181	180 μ H $\pm$ 20%	0.84(0.62)	0.57	4746-0333
38	CDRH104NP-221MB	221	220 μ H $\pm$ 20%	0.96(0.71)	0.52	4746-0335
39	CDRH104NP-271MB	271	270 μ H $\pm$ 20%	1.07(0.79)	0.47	4746-0336
40	CDRH104NP-331MB	331	330 μ H $\pm$ 20%	1.37(1.05)	0.43	4746-0337
41	CDRH104NP-391MB	391	390 μ H $\pm$ 20%	1.55(1.19)	0.39	4746-0338
42	CDRH104NP-471MB	471	470 μ H $\pm$ 20%	1.74(1.34)	0.36	4746-0339

※1: 測定周波数 L at 1 kHz

※2: ()内は標準値とする。

※3: 定格電流は直流重畳特性において定格電流を流した時、インダクタンスは公称インダクタンスの75%以上及びコイルの発熱は、 $\Delta t=40^{\circ}\text{C}$ 以下とする。(Ta=20°Cを基準とする。)

3. 使用温度範囲 -40°C $\sim$ +100°C(コイルの発熱を含む。)
保存温度範囲 -40°C $\sim$ +100°C