

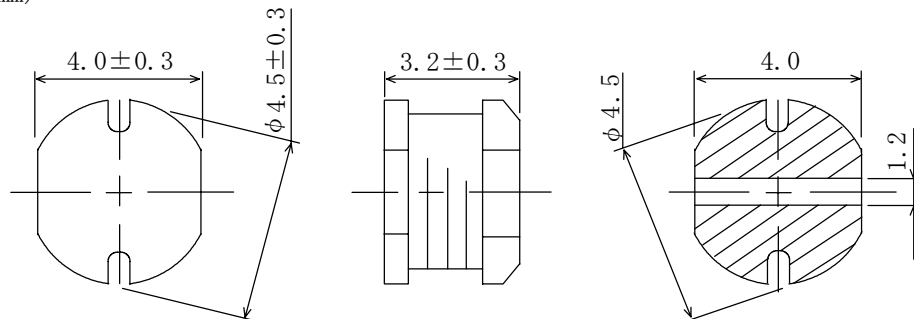
仕 様 書

形 名

CD 4 3

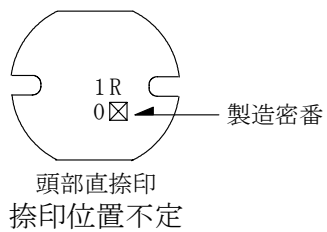
1. 外形

1-1. 寸法図 (mm)

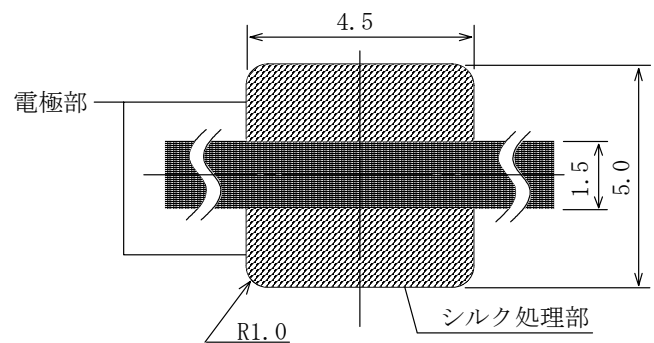


* 公差のない寸法は、参考値とする。

1-2. 捺印表示例



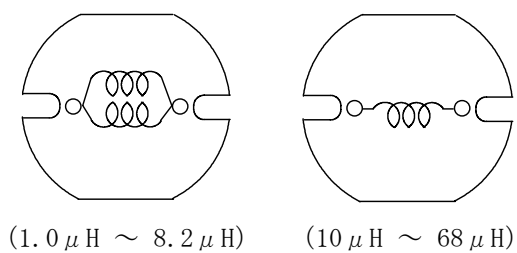
1-3. 推奨ランド寸法 (mm)



電極(端子)間の隙間はシルク処理をして御使用下さい。

2. コイル仕様

2-1. 端子接続図(裏面図)



RoHS

compliance

Cd:Max. 0.01wt%

others:Max. 0.1wt%



仕 様 書

形 名	CD 4 3
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2-2. 電氣的特性 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. (mΩ) [以下] (at 20℃)	定格電流 (A) ※2	S. R. F. (MHz) [参考値]	スミダ コード
01	CD43NP-1R0MC	1R0	1.0 μH±20%	48.7	2.70	113.8	-0289
02	CD43NP-1R4MC	1R4	1.4 μH±20%	56.2	2.50	101.0	-0290
03	CD43NP-1R8MC	1R8	1.8 μH±20%	63.7	2.33	92.0	-0291
04	CD43NP-2R2MC	2R2	2.2 μH±20%	71.2	2.25	76.3	-0292
05	CD43NP-2R7MC	2R7	2.7 μH±20%	78.7	2.16	66.6	-0293
06	CD43NP-3R3MC	3R3	3.3 μH±20%	86.2	2.00	63.8	-0295
07	CD43NP-3R9MC	3R9	3.9 μH±20%	93.7	1.84	53.8	-0296
08	CD43NP-4R7MC	4R7	4.7 μH±20%	108.7	1.62	49.5	-0297
09	CD43NP-5R6MC	5R6	5.6 μH±20%	125.7	1.48	43.2	-0298
10	CD43NP-6R8MC	6R8	6.8 μH±20%	131.2	1.43	41.4	-0299
11	CD43NP-8R2MC	8R2	8.2 μH±20%	146.2	1.37	35.8	-0300
12	CD43NP-100MC	100	10 μH±20%	182	1.04	35.8	-0301
13	CD43NP-120MC	120	12 μH±20%	210	0.97	32.4	-0302
14	CD43NP-150MC	150	15 μH±20%	235	0.85	29.3	-0303
15	CD43NP-180MC	180	18 μH±20%	338	0.74	27.5	-0304
16	CD43NP-220MC	220	22 μH±20%	378	0.68	24.7	-0306
17	CD43NP-270MC	270	27 μH±20%	522	0.62	21.7	-0307
18	CD43NP-330KC	330	33 μH±10%	540	0.56	19.6	-0308
19	CD43NP-390KC	390	39 μH±10%	587	0.52	18.0	-0309
20	CD43NP-470KC	470	47 μH±10%	844	0.44	15.6	-0310
21	CD43NP-560KC	560	56 μH±10%	937	0.42	14.8	-0311
22	CD43NP-680KC	680	68 μH±10%	1117	0.37	13.2	-0312

仕 様 書

形 名	CD 4 3
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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. (mΩ) [以下] (at 20℃)	定格電流 (A) ※2	S. R. F. (MHz) [参考値]	スミダ コード
23	CD43NP-1R0MB	1R0	1.0 μH ± 20%	48.7	2.70	113.8	-0313
24	CD43NP-1R4MB	1R4	1.4 μH ± 20%	56.2	2.50	101.0	-0314
25	CD43NP-1R8MB	1R8	1.8 μH ± 20%	63.7	2.33	92.0	-0315
26	CD43NP-2R2MB	2R2	2.2 μH ± 20%	71.2	2.25	76.3	-0317
27	CD43NP-2R7MB	2R7	2.7 μH ± 20%	78.7	2.16	66.6	-0318
28	CD43NP-3R3MB	3R3	3.3 μH ± 20%	86.2	2.00	63.8	-0319
29	CD43NP-3R9MB	3R9	3.9 μH ± 20%	93.7	1.84	53.8	-0320
30	CD43NP-4R7MB	4R7	4.7 μH ± 20%	108.7	1.62	49.5	-0321
31	CD43NP-5R6MB	5R6	5.6 μH ± 20%	125.7	1.48	43.2	-0322
32	CD43NP-6R8MB	6R8	6.8 μH ± 20%	131.2	1.43	41.4	-0323
33	CD43NP-8R2MB	8R2	8.2 μH ± 20%	146.2	1.37	35.8	-0324
34	CD43NP-100MB	100	10 μH ± 20%	182	1.04	35.8	-0325
35	CD43NP-120MB	120	12 μH ± 20%	210	0.97	32.4	-0326
36	CD43NP-150MB	150	15 μH ± 20%	235	0.85	29.3	-0328
37	CD43NP-180MB	180	18 μH ± 20%	338	0.74	27.5	-0329
38	CD43NP-220MB	220	22 μH ± 20%	378	0.68	24.7	-0330
39	CD43NP-270MB	270	27 μH ± 20%	522	0.62	21.7	-0331
40	CD43NP-330KB	330	33 μH ± 10%	540	0.56	19.6	-0332
41	CD43NP-390KB	390	39 μH ± 10%	587	0.52	18.0	-0333
42	CD43NP-470KB	470	47 μH ± 10%	844	0.44	15.6	-0334
43	CD43NP-560KB	560	56 μH ± 10%	937	0.42	14.8	-0335
44	CD43NP-680KB	680	68 μH ± 10%	1117	0.37	13.2	-0336

※1：測定周波数 L 1.0 μH ~ 8.2 μH ; at 7.96 MHz
10 μH ~ 68 μH ; at 2.52 MHz

※2：定格電流は直流重畳特性に於て、インダクタンスが初期値より-10%となる電流、もしくは直流電流を流した時のコイルの発熱がΔt=40℃となる電流値の少ない方の値。(Ta=20℃を基準とする。)

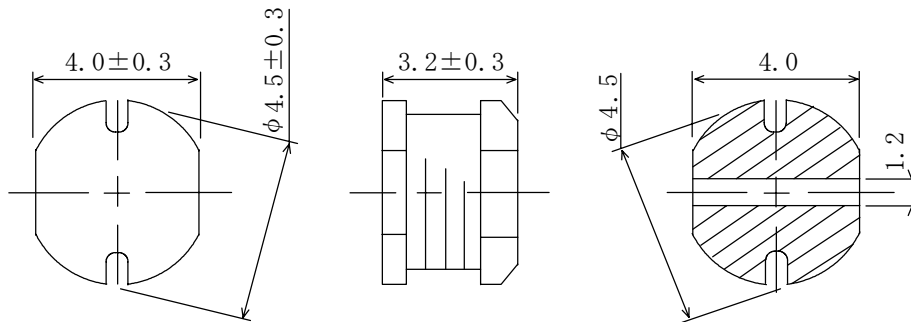
3. 保存温度範囲 -40℃ ~ +100℃
使用温度範囲 -40℃ ~ +100℃ (コイルの発熱を含む。)

SPECIFICATION

TYPE
CD 4 3

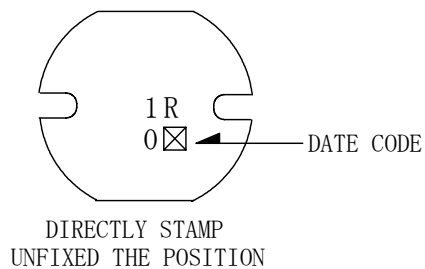
1. APPEARANCE

1-1. DIMENSIONS (mm)

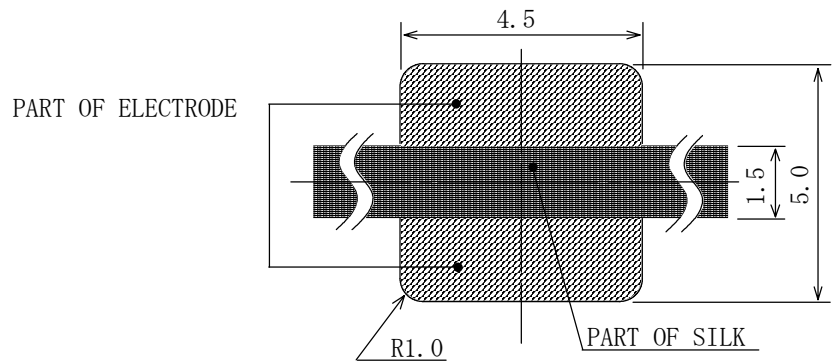


* DIMENSIONS WITHOUT TOLERANCE ARE APPROX.

1-2. STAMP (E. G.)



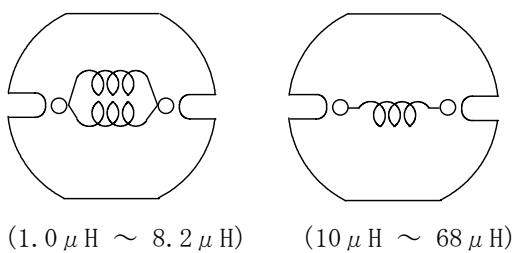
1-3. RECOMMENDED LAND PATTERNS DIMENSIONS (mm)



PLEASE COAT WITH SILK SCREEN BETWEEN THE TWO ELECTRODES.

2. COIL SPECIFICATION

2-1. CONNECTION (BOTTOM VIEW)



RoHS

compliance

Cd:Max. 0.01wt%

others:Max. 0.1wt%



SPECIFICATION

TYPE
CD 4 3

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

NO.	PART NAME	STAMP	INDUCTANCE [WITHIN] ※ 1	D. C. R. (mΩ) [MAX.] (at 20℃)	RATED CURRENT (A) ※2	S. R. F. (MHz) [TYP.]	SUMIDA CODE
01	CD43NP-1R0MC	1R0	1.0 μH±20%	48.7	2.70	113.8	-0289
02	CD43NP-1R4MC	1R4	1.4 μH±20%	56.2	2.50	101.0	-0290
03	CD43NP-1R8MC	1R8	1.8 μH±20%	63.7	2.33	92.0	-0291
04	CD43NP-2R2MC	2R2	2.2 μH±20%	71.2	2.25	76.3	-0292
05	CD43NP-2R7MC	2R7	2.7 μH±20%	78.7	2.16	66.6	-0293
06	CD43NP-3R3MC	3R3	3.3 μH±20%	86.2	2.00	63.8	-0295
07	CD43NP-3R9MC	3R9	3.9 μH±20%	93.7	1.84	53.8	-0296
08	CD43NP-4R7MC	4R7	4.7 μH±20%	108.7	1.62	49.5	-0297
09	CD43NP-5R6MC	5R6	5.6 μH±20%	125.7	1.48	43.2	-0298
10	CD43NP-6R8MC	6R8	6.8 μH±20%	131.2	1.43	41.4	-0299
11	CD43NP-8R2MC	8R2	8.2 μH±20%	146.2	1.37	35.8	-0300
12	CD43NP-100MC	100	10 μH±20%	182	1.04	35.8	-0301
13	CD43NP-120MC	120	12 μH±20%	210	0.97	32.4	-0302
14	CD43NP-150MC	150	15 μH±20%	235	0.85	29.3	-0303
15	CD43NP-180MC	180	18 μH±20%	338	0.74	27.5	-0304
16	CD43NP-220MC	220	22 μH±20%	378	0.68	24.7	-0306
17	CD43NP-270MC	270	27 μH±20%	522	0.62	21.7	-0307
18	CD43NP-330KC	330	33 μH±10%	540	0.56	19.6	-0308
19	CD43NP-390KC	390	39 μH±10%	587	0.52	18.0	-0309
20	CD43NP-470KC	470	47 μH±10%	844	0.44	15.6	-0310
21	CD43NP-560KC	560	56 μH±10%	937	0.42	14.8	-0311
22	CD43NP-680KC	680	68 μH±10%	1117	0.37	13.2	-0312

SPECIFICATION

TYPE

CD43

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

NO.	PART NAME	STAMP	INDUCTANCE [WITHIN] ※1	D. C. R. ($m\Omega$) [MAX.] (at 20°C)	RATED CURRENT (A) ※2	S. R. F. (MHz) [TYP.]	SUMIDA CODE
23	CD43NP-1R0MB	1R0	1.0 μ H $\pm$ 20%	48.7	2.70	113.8	-0313
24	CD43NP-1R4MB	1R4	1.4 μ H $\pm$ 20%	56.2	2.50	101.0	-0314
25	CD43NP-1R8MB	1R8	1.8 μ H $\pm$ 20%	63.7	2.33	92.0	-0315
26	CD43NP-2R2MB	2R2	2.2 μ H $\pm$ 20%	71.2	2.25	76.3	-0317
27	CD43NP-2R7MB	2R7	2.7 μ H $\pm$ 20%	78.7	2.16	66.6	-0318
28	CD43NP-3R3MB	3R3	3.3 μ H $\pm$ 20%	86.2	2.00	63.8	-0319
29	CD43NP-3R9MB	3R9	3.9 μ H $\pm$ 20%	93.7	1.84	53.8	-0320
30	CD43NP-4R7MB	4R7	4.7 μ H $\pm$ 20%	108.7	1.62	49.5	-0321
31	CD43NP-5R6MB	5R6	5.6 μ H $\pm$ 20%	125.7	1.48	43.2	-0322
32	CD43NP-6R8MB	6R8	6.8 μ H $\pm$ 20%	131.2	1.43	41.4	-0323
33	CD43NP-8R2MB	8R2	8.2 μ H $\pm$ 20%	146.2	1.37	35.8	-0324
34	CD43NP-100MB	100	10 μ H $\pm$ 20%	182	1.04	35.8	-0325
35	CD43NP-120MB	120	12 μ H $\pm$ 20%	210	0.97	32.4	-0326
36	CD43NP-150MB	150	15 μ H $\pm$ 20%	235	0.85	29.3	-0328
37	CD43NP-180MB	180	18 μ H $\pm$ 20%	338	0.74	27.5	-0329
38	CD43NP-220MB	220	22 μ H $\pm$ 20%	378	0.68	24.7	-0330
39	CD43NP-270MB	270	27 μ H $\pm$ 20%	522	0.62	21.7	-0331
40	CD43NP-330KB	330	33 μ H $\pm$ 10%	540	0.56	19.6	-0332
41	CD43NP-390KB	390	39 μ H $\pm$ 10%	587	0.52	18.0	-0333
42	CD43NP-470KB	470	47 μ H $\pm$ 10%	844	0.44	15.6	-0334
43	CD43NP-560KB	560	56 μ H $\pm$ 10%	937	0.42	14.8	-0335
44	CD43NP-680KB	680	68 μ H $\pm$ 10%	1117	0.37	13.2	-0336

※1: MEASURED FREQUENCY L 1.0 μ H $\sim$ 8.2 μ H ; at 7.96 MHz
10 μ H $\sim$ 68 μ H ; at 2.52 MHz

※2: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN ITS INITIAL VALUE
AT D.C. SUPERPOSITION OR D.C. CURRENT WHEN $\Delta T=40^{\circ}\text{C}$ WHICHEVER IS LOWER. ($T_a=20^{\circ}\text{C}$)

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 COIL'S SELF TEMPERATURE RISE)

