	SPECIFICATION (REVISIONS)	TYPE RCH−875

SYMBOL	DATE	ISSUE No.	REVISIONS	CLIENT
⚠1	21st,Apr.,2005	PG05-D159-19	MARKER CHANGED： RoHS COMPLIANCE←LEAD FREE(P.2/5)	CRD LEIXUDONG

NOTE： THIS SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE FOR IMPROVEMENT.IT IS REQUESTED THAT CONFIRMATION IS MADE WHEN ORDERING.	SPEC.NO. S−074−6261 1/5

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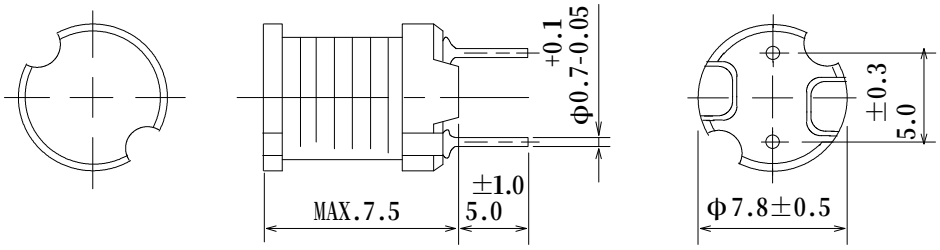
RCH−875

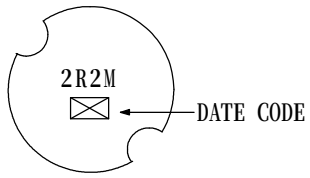
1. SCOPE AND GENERAL STIPULATIONS.
   REF. TO S-074-1510.

2. APPEARANCE
   2-1.DIMENSION (mm)



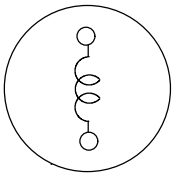
＊ DIMENSION DOES NOT INCLUDE SOLDER USED ON COIL.
＊ TERMINAL PITCH IS MEASURED AT THE CORE.(NOT FROM TIP OF THE PIN.)

2-2.STAMP (Ex.)



DIRECTLY STAMP
UNFIXED POSITION

3. COIL SPECIFICATION
   3-1.CONNECTION (BOTTOM)



RoHS
compliance
Cd:Max.0.01wt%
others:Max.0.1wt%

⚠1

MADE:15th.Feb.,2003			PART NO.	REF.TO THE ATTACHED SHEET.	
CHK.	CHK.	DRG.	SUMIDA CODE	0776	
CHEN WEIMING	LIANG ZHIQI	TANG LI J	SAMPLE NO.	74M−074−278	SPEC.NO. S−074−6261 2/5
			FIRST ISSUE		

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3-2. ELECTRICAL CHARACTERISTICS

NO.	PART NO.	STAMP	INDUCTANCE <WITHIN> ※1	D.C.R <MAX.>(Ω) (at20℃)	RATED CURRENT (A)		SUMIDA CODE
					※2	※3	
01	RCH875NP-2R2M	2R2M	2.2μH ± 20%	13.7m	5.8	3.0	0776-0411
02	RCH875NP-2R8M	2R8M	2.8μH ± 20%	15.3m	5.0	2.9	0776-0412
03	RCH875NP-3R5M	3R5M	3.5μH ± 20%	17.2m	4.7	2.8	0776-0413
04	RCH875NP-4R4M	4R4M	4.4μH ± 20%	19.1m	4.5	2.7	0776-0414
05	RCH875NP-5R1M	5R1M	5.1μH ± 20%	21.2m	4.2	2.6	0776-0416
06	RCH875NP-6RØM	6R0M	6.0μH ± 20%	22.2m	4.0	2.5	0776-0417
07	RCH875NP-7R1M	7R1M	7.1μH ± 20%	24.2m	3.4	2.3	0776-0418
08	RCH875NP-8R2M	8R2M	8.2μH ± 20%	26.5m	3.1	2.2	0776-0419
09	RCH875NP-1ØØM	100M	10 μH ± 20%	0.05	2.9	2.1	0776-0420
10	RCH875NP-12ØM	120M	12 μH ± 20%	0.06	2.5	1.8	0776-0421
11	RCH875NP-15ØK	150K	15 μH ± 10%	0.07	2.2	1.4	0776-0422
12	RCH875NP-18ØK	180K	18 μH ± 10%	0.08	1.9	1.3	0776-0423
13	RCH875NP-22ØK	220K	22 μH ± 10%	0.09	1.8	1.2	0776-0424
14	RCH875NP-27ØK	270K	27 μH ± 10%	0.11	1.7	1.0	0776-0425
15	RCH875NP-33ØK	330K	33 μH ± 10%	0.13	1.5	1.0	0776-0427
16	RCH875NP-39ØK	390K	39 μH ± 10%	0.14	1.3	0.95	0776-0428
17	RCH875NP-47ØK	470K	47 μH ± 10%	0.15	1.3	0.90	0776-0429
18	RCH875NP-56ØK	560K	56 μH ± 10%	0.18	1.2	0.73	0776-0430
19	RCH875NP-68ØK	680K	68 μH ± 10%	0.20	1.1	0.68	0776-0431
20	RCH875NP-82ØK	820K	82 μH ± 10%	0.24	1.0	0.63	0776-0432
21	RCH875NP-1Ø1K	101K	100μH ± 10%	0.35	0.89	0.59	0776-0433
22	RCH875NP-121K	121K	120μH ± 10%	0.36	0.81	0.50	0776-0434
23	RCH875NP-151K	151K	150μH ± 10%	0.42	0.72	0.46	0776-0435
24	RCH875NP-181K	181K	180μH ± 10%	0.57	0.66	0.41	0776-0436
25	RCH875NP-221K	221K	220μH ± 10%	0.63	0.57	0.38	0776-0438
26	RCH875NP-271K	271K	270μH ± 10%	0.88	0.51	0.32	0776-0439
27	RCH875NP-331K	331K	330μH ± 10%	1.05	0.46	0.30	0776-0440
28	RCH875NP-391K	391K	390μH ± 10%	1.17	0.44	0.29	0776-0441
29	RCH875NP-471K	471K	470μH ± 10%	1.34	0.41	0.28	0776-0442
30	RCH875NP-561K	561K	560μH ± 10%	1.72	0.36	0.23	0776-0443
31	RCH875NP-681K	681K	680μH ± 10%	1.96	0.33	0.22	0776-0444
32	RCH875NP-821K	821K	820μH ± 10%	2.56	0.30	0.19	0776-0445

NOTE :

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NO.	PART NO.	STAMP	INDUCTANCE <WITHIN> ※1	D.C.R <MAX.>(Ω) (at20℃)	RATED CURRENT (A)		SUMIDA CODE
					※2	※3	
33	RCH875NP-1Ø2K	102K	1.0mH ± 10%	2.94	0.27	0.18	0776-0446
34	RCH875NP-122K	122K	1.2mH ± 10%	4.04	0.24	0.16	0776-0447
35	RCH875NP-152K	152K	1.5mH ± 10%	4.70	0.22	0.15	0776-0449
36	RCH875NP-182K	182K	1.8mH ± 10%	5.05	0.20	0.14	0776-0450
37	RCH875NP-222K	222K	2.2mH ± 10%	6.25	0.18	0.13	0776-0451
38	RCH875NP-272K	272K	2.7mH ± 10%	8.72	0.16	0.10	0776-0452
39	RCH875NP-332K	332K	3.3mH ± 10%	10.6	0.15	95m	0776-0453
40	RCH875NP-392K	392K	3.9mH ± 10%	14.2	0.14	81m	0776-0454
41	RCH875NP-472K	472K	4.7mH ± 10%	16.7	0.12	74m	0776-0455
42	RCH875NP-562K	562K	5.6mH ± 10%	18.7	0.11	69m	0776-0456
43	RCH875NP-682K	682K	6.8mH ± 10%	21.8	0.10	67m	0776-0457
44	RCH875NP-822K	822K	8.2mH ± 10%	28.7	93m	63m	0776-0458
45	RCH875NP-1Ø3K	103K	10mH ± 10%	33.0	84m	54m	0776-0460

※1: MEASURED FREQUENCY INDUCTANCE : 10μH ～ 82μH at 2.52MHz
100μH ～ 10mH at 1 kHz
2.2μH ～ 8.2μH at 7.96MHz

※2: AT VALUE OF INDUCTANCE WHEN IS 10% DOWN FROM FIRST VALUE AS CHARACTERISTICS OF D.C. SUPERPOSITION.

※3: D.C. CURRENT WHEN TEMPERATURE OF COIL INDREASED UP TO 20℃.(Ta=20℃)

NOTE :	SPEC.NO. S−074−6261

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4. GENERAL CHARACTERISTICS

4-1.STORAGE TEMPERATURE RANGE : -40℃～＋100℃

4-2.OPERATING TEMPERATURE RANGE : -40℃～＋100℃ (INCLUDING SELF TEMPERATURE RISE)

4-3.EXTERNAL APPEARANCE : NO EXTERNAL DEFECTS CAN BE FOUND IN THE VISUAL INSPECTION.

4-4.TERMINAL STRENGTH : NO DISTINGUISHED TERMINAL PEELING OFF OR WIRE BROKEN SHOULD BE FOUND AFTER EACH OF THE TERMINAL IS APPLIED WITH STATIC PULLING FORCE OF 10N FOR 60±5 SECONDS.

4-5.HEAT RESISTANCE : NO DISTINGUISHED STRUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND AFTER 1.5±0.5mm HIGH BOTTOM OF ALL THE TERMINALS ARE IMMERSEDD IN THE MELTED SOLDER OF 270±5℃ FOR 5±1 SECONDS.

4-6.INSULATING RESISTANCE: THE INSULATION RESISTANCE SHOULD BE OVER 100MΩ WHEN D.C. 100V IS APPLIED TO THE COIL-OTHER PARTS, MEANWHILE NO RUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND IN 1 MINUTE.

4-7.TEMPERATURE FEATURE : INDUCTANCE COEFFICIENT IS (0 ～ 1350)×10^{-6}/℃ (-40 ～+100℃)

4-8.VIBRATION TEST : INDUCTANCE DEVIATION IS WITHIN ±1.0% AFTER 1 HOUR SWEEPING VIBRATION IN EACH THREE DIRECTIONS, NAMELY, FORWARD AND BACKWARD, UP AND DOWN, RIGHT AND LEFT. THE FREQUENCY IS 10～55～10Hz AND THE AMPLITUDE OF 1 MINUTE CYCLE IS 1.5mm PP.

4-9.SHOCK TEST : INDUCTANCE DEVIATION IS WITHIN ±1.0% AFTER THE TEST WITH GOM-BLOCK SHOCK TESTING MACHINE, ONCE IN EACH OF THE THREE PERPENDICULAR AXIS DIRECTIONS. THE SHOCK ACCELERATION IS 981m/s^2.

4-10.HUMIDITY TEST : INDUCTANCE DEVIATION IS WITHIN ±2.0% AND NO STRUCTURE AND ELECTRIC DEFECTS CAN BE FOUND AFTER 96±4 HOURS TEST UNDER THE CONDITION OF RELATIVE HUMIDITY OF 90～95% AND TEMPERATURE OF 40±2℃, AND 1 HOUR STORAGE UNDER ROOM AMBIENT CONDITIONS.

5. NOTE

＊ PLEASE TAKE CARE TO DECIDE THE MOUNTING HOLES FOR THIS COIL, BECAUSE OF THICK WIRE USED. (NO.01～23)