

REVISIONS

DATE	REVISIONS		CLIENT
1993. 09. 22	SPC556	様式変更差しかえ(1/6~6/6)	R&D2 駒板
1994. 03. 22	SPC438	社内用追記	R&D2 鈴木(幸)
1994. 11. 10	SPC1879	社内用追記	SDU 鈴木(幸)
1995. 03. 14	SPC364	社内用変更・削除等	SDU 鈴木(幸)
1996. 11. 28	SPC844	社内用変更	PDU 水戸
1998. 07. 25	Y98-622	仕様書変更差し換え。	横浜 君嶋
△ ₂ 2000. 11. 02	PG00-1476	社名変更	GRC 黄東榮
△ ₃ 19th, May., 2001	PG01-0900	ELECTRICAL CHARACTERISTICS II (IN THE CASE OF BOX) ADDED (P. 5/6) NOTE: PACKING WAYS TO CHANGED (P. 2/6)	GRC HESHIYING

14 th SEP ., 1993

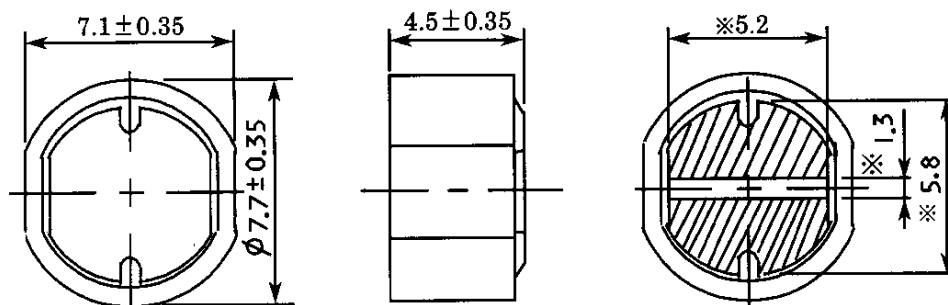
C H K.	C H K.	D R G.
ABE	KOMA ITA	KIKYO U

SAMPLE NO. 9 1 X - 0 2 5

DRG. NO.	1/6
S-074-424	

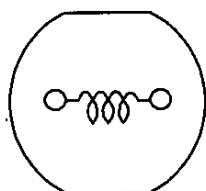
	SPECIFICATION	
	SUMIDA TYPE CDR74	PART NO. REF. TO IN THE ATTACHED SHEET.

1. DIMENSION (UNIT mm)

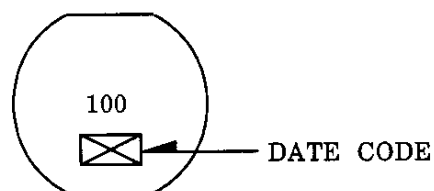


※ DIMENSION OF TERMINAL IS TYPICAL

2. CONNECTION (BOTTOM)



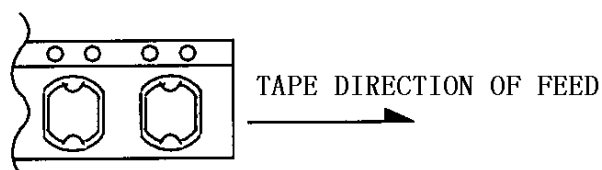
3. STAMP (Ex.)



DIRECTLY STAMP
UNFIXED THE POSITION

4. NOTE

* ENCLOSING CONDITION OF COILS.

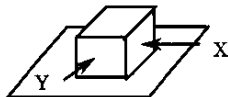


△ * IN THE CASE OF BOX:BOX PACKING AFTER CARRIER TAPE PACKING. (NO REEL)
IN THE CASE OF REEL:CARRIER TAPE PACKING SPECIFICATION IN DETAIL. (S-074-418)

* RECOMMENDED REFLOW CONDITION TO BE ACCORDING TO S-074-5003.

14 th SEP ., 1993			SUMIDA CODE	4723	DRG. NO. 2/6 S-074-424
C H K.	C H K.	D R G.			
ABE	KOMA ITA	KIKYO U			

GENERAL CHARACTERISTICS	TYPE CDR74
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1. OPERATIONG TEMPERATURE : -25 ~ +70 °C (COIL CONTAIN HEAT)
2. EXTERNAL APPEARANCE : ON VISUAL INSPECTION, THE COIL HAS NO EXTERNAL DEFECTS.
3. TERMINAL STRENGTH : AFTER SOLDERING, BETWEEN COPPER PLATE AND TERMINAL OF COIL, PUSH IN TWO DIRECTIONS OF X, Y WITHSTANDING 10N FOR 10±2 SECONDS. TERMINAL SHOULD NOT PEEL OFF. (REFER TO FIGURE AT RIGHT)
 
4. HEAT ENDURANCE TEST: REFER TO S-074-5002.
5. DIELECTRIC STRENGTH : NO APPARENT AT 100V D.C. FOR 1 MINUTE BETWEEN COIL-CORE.
6. INSULATING RESISTANCE : OVER 100 MΩ AT 100V D.C. BETWEEN COIL-CORE.
7. INDUCTANCE TEMPERATURE COEFFICIENT : (0 ~ 2000) × 10⁻⁶/°C (-25 ~ + 70 °C)
8. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN ± 5.0 %
 AFTER 96 HOURS IN 90 ~ 95 % RELATIVE HUMIDITY WITHIN 40 ± 2 °C AND 1 HOUR DRYING UNDER NORMAL CONDITION.
9. VIBRATION TEST : INDUCTANCE DEVIATION WITHIN ± 2.0 % AFTER VIBRATION FOR 2 HOUR.
 IN EACH OF THREE ORIENTATIONS AT SWEEP VIBRATION (10~55~10 Hz) WITH 1.5 mm P-P AMPLITUDE.
10. SHOCK TEST : INDUCTANCE DEVIATION WITHIN ± 2.0 %
 AFTER DROP DOWN WITH 981m/s² SHOCK ATTITUDE UPON A RUBBER BLOCK METHOD SHOCK TESTING MACHINE, FOR 1 TIME, IN EACH OF THREE ORIENTATIONS.

14 th SEP ., 1993

C H K.	C H K.	D R G.
ABE	KOMA ITA	KIKYO U

DRG. NO.	3/6
S-074-424	

SPECIFICATION	TYPE CDR74
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ELECTRICAL CHARACTERISTICS I (IN THE CASE OF REEL)

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※ 1	D.C.R. (Ω) [MAX.] (at 20 °C)	RATED CURRENT (A) ※ 2	S.R.F. (MHz) [TYP.]	SUMIDA CODE
01	CDR74-100NC	100	10 μH +25 -15 %	0.07	1.64	29.8	-0021
02	CDR74-120NC	120	12 μH +25 -15 %	0.08	1.50	26.4	-0032
03	CDR74-150NC	150	15 μH +25 -15 %	0.09	1.34	21.1	-0043
04	CDR74-180NC	180	18 μH +25 -15 %	0.11	1.22	20.0	-0054
05	CDR74-220NC	220	22 μH +25 -15 %	0.12	1.10	19.5	-0065
06	CDR74-270NC	270	27 μH +25 -15 %	0.17	1.00	16.5	-0076
07	CDR74-330NC	330	33 μH +25 -15 %	0.19	0.90	15.5	-0087
08	CDR74-390NC	390	39 μH +25 -15 %	0.21	0.83	14.4	-0098
09	CDR74-470NC	470	47 μH +25 -15 %	0.24	0.75	12.8	-0109
10	CDR74-560NC	560	56 μH +25 -15 %	0.32	0.69	11.6	-0111
11	CDR74-680NC	680	68 μH +25 -15 %	0.37	0.63	10.2	-0122
12	CDR74-820NC	820	82 μH +25 -15 %	0.40	0.57	9.95	-0133
13	CDR74-101MC	101	100 μH +20 -15 %	0.54	0.52	8.59	-0144
14	CDR74-121MC	121	120 μH +20 -15 %	0.62	0.47	7.53	-0155
15	CDR74-151MC	151	150 μH +20 -15 %	0.86	0.42	7.00	-0166
16	CDR74-181MC	181	180 μH +20 -15 %	0.97	0.38	6.53	-0177
17	CDR74-221MC	221	220 μH +20 -15 %	1.31	0.35	5.07	-0188
18	CDR74-271MC	271	270 μH +20 -15 %	1.46	0.31	4.67	-0199

※1: MEASURED FREQUENCY L 10 μ H $\sim$ 82 μ H ; at 2.52 MHz
 100 μ H $\sim$ 270 μ H ; at 1 kHz

※ 2: UNDER D.C. PRE-MAGNETIZATION CHARACTERISTICS, IN TERMS OF RATED CURRENT, THE INDUCTANCE SHOULD NOT LESS THAN 80 % OF THE ORIGINAL VALUE, AND HEAT-UP, CHANGE OF TEMPERATURE SHOULD BE BELOW 40°C. (TEMPERATURE STANDARD ; Ta=20 °C)

14 th SEP . , 1993			SUMIDA CODE	4723	
C H K.	C H K.	D R G.			DEG NO.
ABE	KOMA ITA	KIKYO U			S-074-424

SPECIFICATION	TYPE CDR74
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ELECTRICAL CHARACTERISTICS II (IN THE CASE OF BOX)

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※ 1	D.C.R. (Ω) [MAX.] (at 20 °C)	RATED CURRENT (A) ※ 2	S.R.F. (MHz) [TYP.]	SUMIDA CODE
19	CDR74-100NB	100	10 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.07	1.64	29.8	4723-0013
20	CDR74-120NB	120	12 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.08	1.50	26.4	4723-0014
21	CDR74-150NB	150	15 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.09	1.34	21.1	4723-0015
22	CDR74-180NB	180	18 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.11	1.22	20.0	4723-0016
23	CDR74-220NB	220	22 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.12	1.10	19.5	4723-0017
24	CDR74-270NB	270	27 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.17	1.00	16.5	4723-0018
25	CDR74-330NB	330	33 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.19	0.90	15.5	4723-0019
26	CDR74-390NB	390	39 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.21	0.83	14.4	4723-0020
27	CDR74-470NB	470	47 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.24	0.75	12.8	4723-0022
28	CDR74-560NB	560	56 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.32	0.69	11.6	4723-0023
29	CDR74-680NB	680	68 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.37	0.63	10.2	4723-0024
30	CDR74-820NB	820	82 μ H $\begin{smallmatrix} +25 \\ -15 \end{smallmatrix}$ %	0.40	0.57	9.95	4723-0025
31	CDR74-101MB	101	100 μ H $\begin{smallmatrix} +20 \\ -15 \end{smallmatrix}$ %	0.54	0.52	8.59	4723-0026
32	CDR74-121MB	121	120 μ H $\begin{smallmatrix} +20 \\ -15 \end{smallmatrix}$ %	0.62	0.47	7.53	4723-0027
33	CDR74-151MB	151	150 μ H $\begin{smallmatrix} +20 \\ -15 \end{smallmatrix}$ %	0.86	0.42	7.00	4723-0028
34	CDR74-181MB	181	180 μ H $\begin{smallmatrix} +20 \\ -15 \end{smallmatrix}$ %	0.97	0.38	6.53	4723-0029
35	CDR74-221MB	221	220 μ H $\begin{smallmatrix} +20 \\ -15 \end{smallmatrix}$ %	1.31	0.35	5.07	4723-0030
36	CDR74-271MB	271	270 μ H $\begin{smallmatrix} +20 \\ -15 \end{smallmatrix}$ %	1.46	0.31	4.67	4723-0031

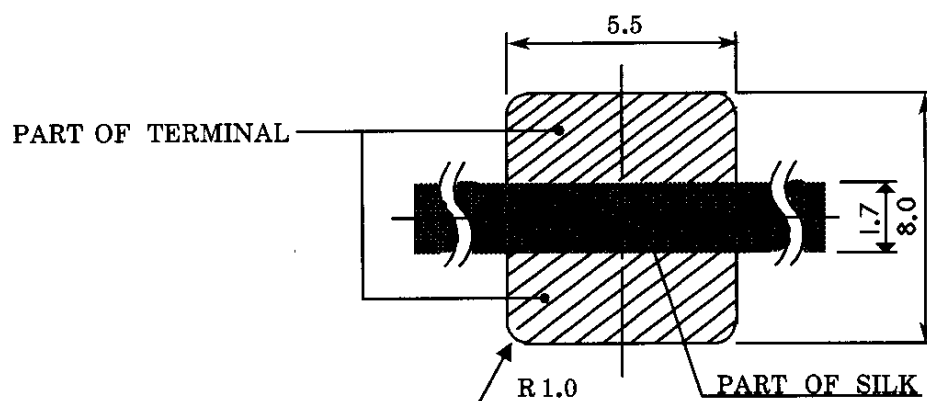
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14 th SEP ., 1993			SUMIDA CODE	4723	DEG NO. 5/6 S-074-424
C H K.	C H K.	D R G.			
ABE	KOMA ITA	KIKYO U			

SPECIFICATION	TYPE CDR74
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DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK BETWEEN TERMINAL.

THICKNESS OF METALMASK RECOMMENDED 0.2t

14 th SEP ., 1993

C H K.	C H K.	D R G.
ABE	KOMA ITA	KIKYO U

DRG. NO.	6/6
S-074-424	