REVISIONS

DATE		REVISIONS	CLIENT
1992.08.06	SS852.SS854	変化率追記.外形寸法削除等(2/6.3/6)	R&D相馬　西村
1992.08.31	T2721	外形寸法図変更差しかえ(2/6)	営業　長谷川
1993.09.08	SPC555	電極強度変更(3/6)　10N(1.02kgf) ← 5.0N(1.0kgf)	R&D　駒板
1994.12.01	USC-353	P.No表現方法変更(1/6.2/6)	営業　鈴木
1996.12.12	SPC889	使用温度範囲変更(3/6) -30℃～+100℃ ← -25℃～+90℃	PDU　西村
1998.11.28	8R-261	仕様書変更差し換え	上海　黄日紅
⚠1 1999.06.09	PG99-760	ELECTRODE←TERMINAL (P.2/5,3/5,5/5)	PDU　黄東榮
⚠2 6th,Nov.,2000	PG00-1476	COMPANY NAME TO BE CHANGED	GRC　HUANGDONGRONG
⚠3 2nd,Jun.,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

18 th AUG ., 1992

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O.SATO	NISHI MURA	T.SATO

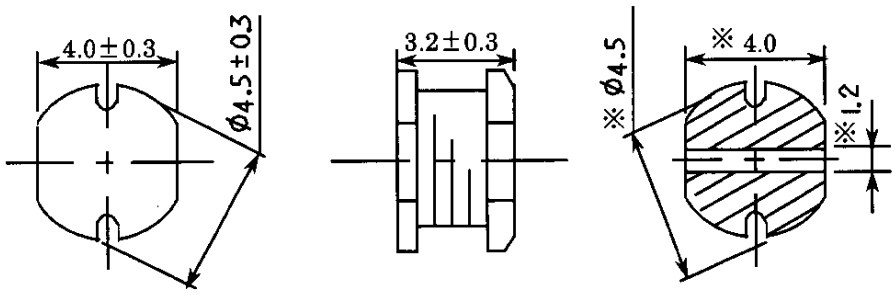
SAMPLE NO.　4 7 1 7 － 0 2 4

DRG. NO.　1/6

S－074－451

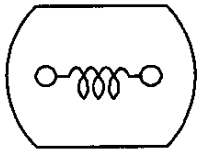
	SPECIFICATION	
	SUMIDA TYPE CD43	PART NO. REF. TO THE ATTACHED SHEET.

1. DIMENSION (UNIT mm)

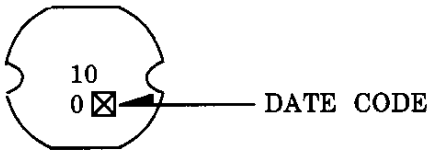


⚠1 ※ DIMENSION OF ELECTRODE IS TYPICAL

2. CONNECTION (BOTTOM)



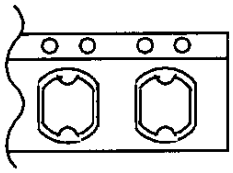
3. STAMP (Ex.)



DIRECTLY STAMP
UNFIXED THE POSITION

4. NOTE

＊ENCLOSING CONDITION OF COILS.



⚠3 ＊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-074-448)
＊RECOMMENDED REFLOW CONDITIONG TO BE ACCORDING TO S-074-5003.

18 th AUG ., 1992			SUMIDA CODE	4717	
C H K.	C H K.	D R G.			DRG. NO. 2/6
O.SATO	NISHI MURA	T.SATO			S−074−451

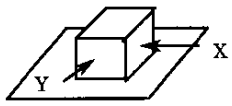
sumida

GENERAL CHARACTERISTICS	TYPE CD43

1. OPERATIONG TEMPERATURE : −30 ~ +100 °C (COIL CONTAIN HEAT)

2. EXTERNAL APPEARANCE : ON VISUAL INSPECTION. THE COIL HAS NO EXTERNAL DEFECTS.

3. ELECTRODE STRENGTH ⚠: AFTER SOLDERING, BETWEEN COPPER PLATE AND ELECTRODE OF COIL, PUSH IN THREE DIRECTIONS OF X, Y WITHSTANDING 10N FOR 10±2 SECONDS. ELECTRODE 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.

6. INSULATING RESISTANCE : OVER 100 MΩ AT 100V D.C. BETWEEN COIL.

7. INDUCTANCE TEMPERATURE COEFFICIENT : (0 ~ 1200)×10^{-6}/°C (−25 ~ + 90 °C)

8. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN ± 5.0 %

AFTER 96 HOURS IN 90 ~ 95 % RELATIVE HUMIDITY AT 40 ± 2 °C AND 1 HOUR DRYING UNDER NORMAL CONDITION.

9. VIBRATION TEST : INDUCTANCE DEVIATION WITHIN ± 2.0 % AFTER VIBRATION FOR 1 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/s^2 SHOCK ATTITUDE UPON A RUBBER BLOCK METHOD SHOCK TESTING MACHINE, FOR 1 TIME, IN EACH OF THREE ORIENTATIONS.

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COIL SPECIFICATION	TYPE CD43

ELECTRICAL CHARACTERISTICS I (IN THE CASE OF REEL)

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (Ω) [MAX.] (at 20℃)	RATED CURRENT (A) ※2	S.R.F. (MHz) [TYP.]	SUMIDA CODE
01	CD43-1ØØMC	100	10 μH ± 20 %	0.182	1.04	35.8	4717-0036
02	CD43-12ØMC	120	12 μH ± 20 %	0.210	0.97	32.4	4717-0047
03	CD43-15ØMC	150	15 μH ± 20 %	0.235	0.85	29.3	4717-0058
04	CD43-18ØMC	180	18 μH ± 20 %	0.338	0.74	27.5	4717-0069
05	CD43-22ØMC	220	22 μH ± 20 %	0.378	0.68	24.7	4717-0071
06	CD43-27ØMC	270	27 μH ± 20 %	0.522	0.62	21.7	4717-0082
07	CD43-33ØKC	330	33 μH ± 10 %	0.540	0.56	19.6	4717-0093
08	CD43-39ØKC	390	39 μH ± 10 %	0.587	0.52	18.0	4717-0104
09	CD43-47ØKC	470	47 μH ± 10 %	0.844	0.44	15.6	4717-0115
10	CD43-56ØKC	560	56 μH ± 10 %	0.937	0.42	14.8	4717-0126
11	CD43-68ØKC	680	68 μH ± 10 %	1.117	0.37	13.2	4717-0137

※1: MEASURED FREQUENCY L 10 μH ~ 68 μH 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 AT △T=40℃ WHICHEVER IS LOWER. (Ta=20℃)

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COIL SPECIFICATION	TYPE CD43

ELECTRICAL CHARACTERISTICS Ⅱ (IN THE CASE OF BOX)

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (Ω) [MAX.] (at 20℃)	RATED CURRENT (A) ※2	S.R.F. (MHz) [TYP.]	SUMIDA CODE
12	CD43-1ØØMB	100	10 μH ± 20 %	0.182	1.04	35.8	4717-0077
13	CD43-12ØMB	120	12 μH ± 20 %	0.210	0.97	32.4	4717-0078
14	CD43-15ØMB	150	15 μH ± 20 %	0.235	0.85	29.3	4717-0079
15	CD43-18ØMB	180	18 μH ± 20 %	0.338	0.74	27.5	4717-0080
16	CD43-22ØMB	220	22 μH ± 20 %	0.378	0.68	24.7	4717-0081
17	CD43-27ØMB	270	27 μH ± 20 %	0.522	0.62	21.7	4717-0083
18	CD43-33ØKB	330	33 μH ± 10 %	0.540	0.56	19.6	4717-0084
19	CD43-39ØKB	390	39 μH ± 10 %	0.587	0.52	18.0	4717-0085
20	CD43-47ØKB	470	47 μH ± 10 %	0.844	0.44	15.6	4717-0086
21	CD43-56ØKB	560	56 μH ± 10 %	0.937	0.42	14.8	4717-0087
22	CD43-68ØKB	680	68 μH ± 10 %	1.117	0.37	13.2	4717-0088

※1: MEASURED FREQUENCY L 10 μH ~ 68 μH 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 AT △T=40℃ WHICHEVER IS LOWER. (Ta=20℃)

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C H K.	C H K.	D R G.
O.SATO	NISHI MURA	T.SATO

DEG NO. 5/6

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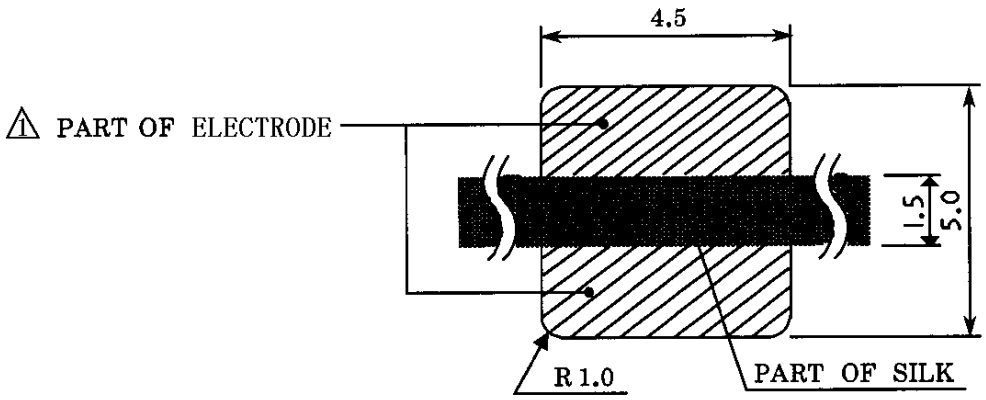
COIL SPECIFICATION	TYPE CD43

DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK BETWEEN TERMINAL.

THICKNESS OF METALMASK RECOMMENDED 0.2 t

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