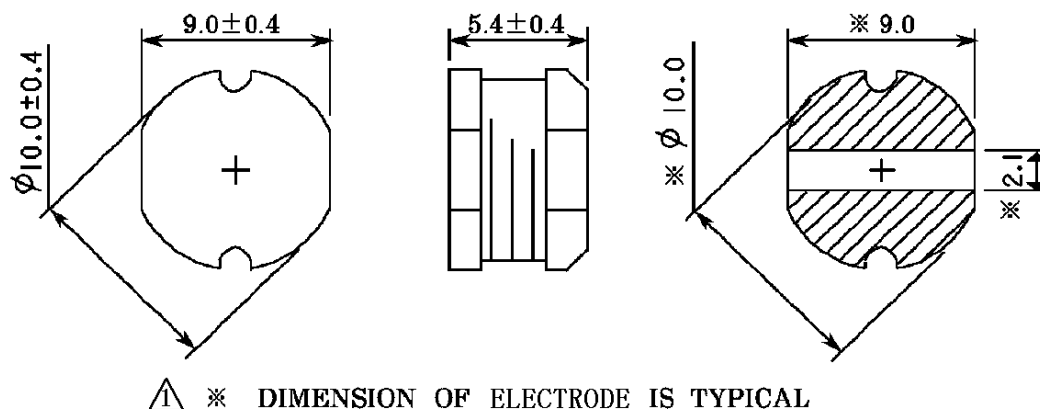
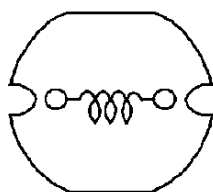


	SPECIFICATION		
	SUMIDA TYPE	CD105	PART NO. REF. TO THE ATTACHED SHEET.

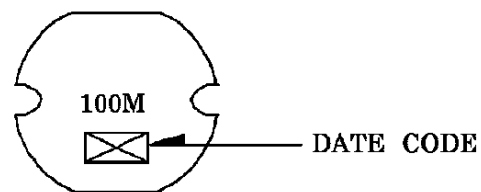
1. DIMENSION (UNIT mm)



2. CONNECTION (BOTTOM)



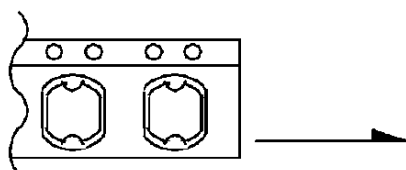
3. STAMP (Ex.)



DIRECTLY STAMP
UNFIXED THE POSITION

4. NOTE

* ENCLOSING CONDITION OF COILS.



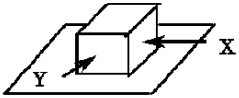
* CARRIER TAPE PACKING SPECIFICATION IN DETAIL.(S-074-404)

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

24 th SEP ., 1993			SUMIDA CODE	4719	DRG. NO. 2/5 S-074-425
C H K.	C H K.	D R G.			
O.SATO	KOMA ITA	KIKYO			

SUMIDA TECHNOLOGIES INCORPORATED

GENERAL CHARACTERISTICS	TYPE CD105
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1. OPERATIONG TEMPERATURE : -30 ~ +100 °C (COIL CONTAIN HEAT)
2. EXTERNAL APPEARANCE : ON VISUAL INSPECTION, THE COIL HAS NO EXTERNAL DEFECTS.
3. ELECTRODE STRENGTH Δ : AFTER SOLDERING, BETWEEN COPPER PLATE AND ELECTRODE OF COIL, PUSH IN TWO DIRECTIONS OF X, Y WITHSTANDING 20N (2.04kgf) 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-CORE.
6. INSULATING RESISTANCE : OVER 100 MΩ AT 100V D.C. BETWEEN COIL-CORE.
7. INDUCTANCE TEMPERATURE COEFFICIENT : (0 ~ 2000) × 10⁻⁸/°C (-25 ~ + 70 °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 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(100G) SHOCK ATTITUDE UPON A RUBBER BLOCK METHOD SHOCK TESTING MACHINE, FOR 1 TIME, IN EACH OF THREE ORIENTATIONS.

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C H K.	C H K.	D R G.
O.SATO	KOMA ITA	KIKYO

DRG. NO.	3/5
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SPECIFICATION	TYPE CD105
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ELECTRICAL CHARACTERISTICS

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	CD105-100MC	100M	10 μ H $\pm$ 20 %	0.06	2.60	25.1	4719-0008
02	CD105-120MC	120M	12 μ H $\pm$ 20 %	0.07	2.45	23.1	4719-0019
03	CD105-150MC	150M	15 μ H $\pm$ 20 %	0.08	2.27	19.1	4719-0021
04	CD105-180MC	180M	18 μ H $\pm$ 20 %	0.09	2.15	18.1	4719-0032
05	CD105-220MC	220M	22 μ H $\pm$ 20 %	0.10	1.95	15.9	4719-0043
06	CD105-270MC	270M	27 μ H $\pm$ 20 %	0.11	1.76	14.0	4719-0054
07	CD105-330MC	330M	33 μ H $\pm$ 20 %	0.12	1.50	13.1	4719-0065
08	CD105-390MC	390M	39 μ H $\pm$ 20 %	0.14	1.37	12.2	4719-0076
09	CD105-470KC	470K	47 μ H $\pm$ 10 %	0.17	1.28	10.6	4719-0087
10	CD105-560KC	560K	56 μ H $\pm$ 10 %	0.19	1.17	10.2	4719-0098
11	CD105-680KC	680K	68 μ H $\pm$ 10 %	0.22	1.11	9.26	4719-0109
12	CD105-820KC	820K	82 μ H $\pm$ 10 %	0.25	1.00	8.45	4719-0110
13	CD105-101KC	101K	100 μ H $\pm$ 10 %	0.35	0.97	7.64	4719-0121
14	CD105-121KC	121K	120 μ H $\pm$ 10 %	0.40	0.89	6.65	4719-0132
15	CD105-151KC	151K	150 μ H $\pm$ 10 %	0.47	0.78	5.86	4719-0143
16	CD105-181KC	181K	180 μ H $\pm$ 10 %	0.63	0.72	5.71	4719-0154
17	CD105-221KC	221K	220 μ H $\pm$ 10 %	0.73	0.66	5.25	4719-0165
18	CD105-271KC	271K	270 μ H $\pm$ 10 %	0.97	0.57	4.62	4719-0176
19	CD105-331KC	331K	330 μ H $\pm$ 10 %	1.15	0.52	4.07	4719-0187
20	CD105-391KC	391K	390 μ H $\pm$ 10 %	1.30	0.48	3.91	4719-0198
21	CD105-471KC	471K	470 μ H $\pm$ 10 %	1.48	0.42	3.61	4719-0209
22	CD105-561KC	561K	560 μ H $\pm$ 10 %	1.90	0.33	3.25	4719-0211
23	CD105-681KC	681K	680 μ H $\pm$ 10 %	2.25	0.28	2.96	4719-0222
24	CD105-821KC	821K	820 μ H $\pm$ 10 %	2.55	0.24	2.74	4719-0233

※ 1 : MEASURED FREQUENCY L 10 μ H ~ 82 μ H ; at 2.52 MHz
100 μ H ~ 820 μ H ; at 1 kHz

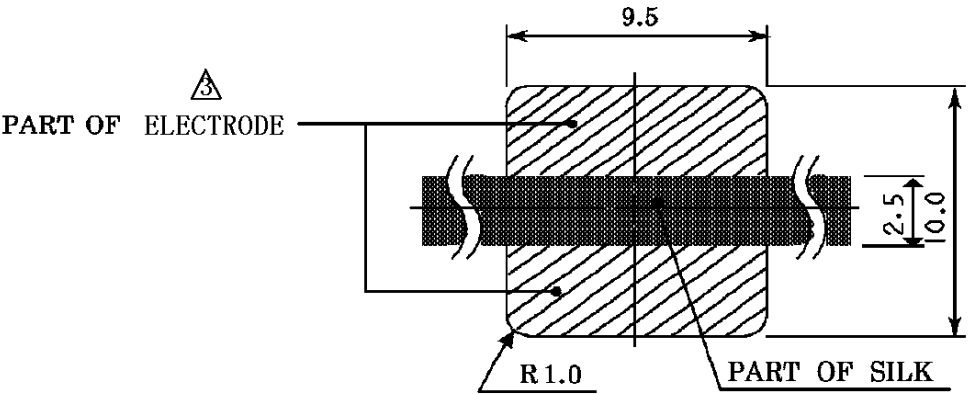
※ 2 : THIS INDICATES THE VALUE WHEN THE INDUCTANCE IS 10% LOWER
THAN ITS INITIAL AT D. C. SUPERPOSITION OR D. C. CURRENT WHEN AT
 $\Delta T=40^{\circ}\text{C}$ WHICHEVER IS LOWER. ($T_a=20^{\circ}\text{C}$)

24 th SEP., 1993			SUMIDA CODE	4719	DEG NO. S-074-425 4/5
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SUMIDA TECHNOLOGIES INCORPORATED

SPECIFICATION	TYPE CD105
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DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK BETWEEN TERMINAL.

THICKNESS OF METALMASK RECOMMENDED 0.2t

24 th SEP., 1993

C H K.	C H K.	D R G.
O.SATO	KOMA ITA	KIKYO

DRG. NO.	5/5
S-074-425	

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