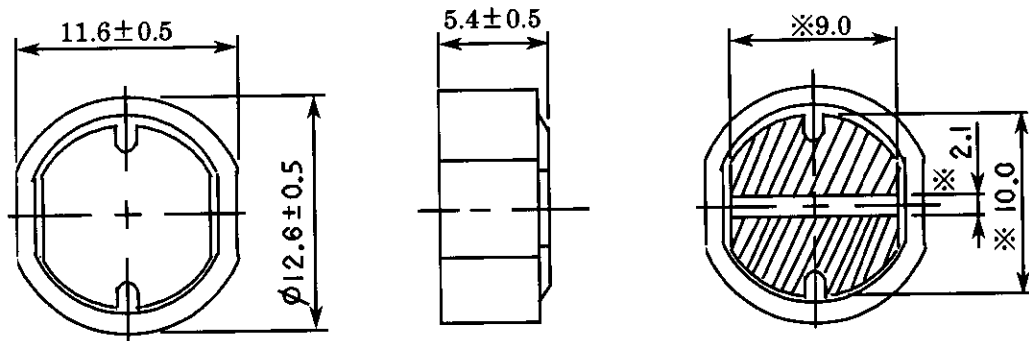


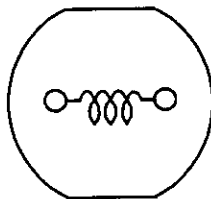
	SPECIFICATION	
	SUMIDA TYPE CDR125	PART NO. REF. TO THE ATTACHED SHEET.

1. DIMENSION (UNIT mm)

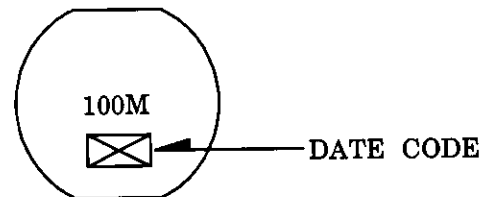


※ DIMENSION OF TERMINAL IS TYPICAL

2. CONNECTION (BOTTOM)



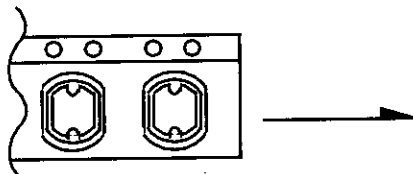
3. STAMP (Ex.)



DIRECTLY STAMP
UNFIXED THE POSITION

4. NOTE

*ENCLOSING CONDITION OF COILS.



*CARRIER TAPE PACKIING SPECIFICATION IN DETAIL.(S-074-426)

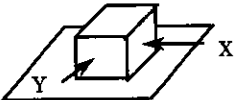
*RECOMMENDATION

DUE TO THE COIL WEIGHT, PLEASE APPLY BOND ONTO THIS COIL PARF
WHEN FIXED ONTO THE PCB.

*RECOMMENDED REFLOW CONDITIONS ARE BASED ON S-074-5003.

24 th SEP., 1993			SUMIDA CODE	4722	
CH K.	CH K.	DR G.			
O.SATO	KOMA ITA	KIKYO A			
			DRG. NO. 2/5		
			S-074-435		

GENERAL CHARACTERISTICS	TYPE CDR125
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1. OPERATIONG TEMPERATURE : $-25 \sim +70^{\circ}\text{C}$ (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 20.0N(2.04kgf) 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 $100\text{ M}\Omega$ AT 100V D.C. BETWEEN COIL-CORE.
7. INDUCTANCE TEMPERATURE COEFFICIENT : $(0 \sim 2000) \times 10^{-6}/^{\circ}\text{C}$ ($-25 \sim +70^{\circ}\text{C}$)
8. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN $\pm 5.0\%$

AFTER 96 HOURS IN $90 \sim 95\%$ RELATIVE HUMIDITY AT $40 \pm 2^{\circ}\text{C}$ AND 1 HOUR DRYING UNDER NORMAL CONDITION.
9. VIBRATION TEST : INDUCTANCE DEVIATION WITHIN $\pm 3.0\%$ AFTER VIBRATION FOR 2 HOUR.
IN EACH OF THREE ORIENTATIONS AT SWEEP VIBRATION ($10 \sim 55 \sim 10\text{ Hz}$) WITH 1.5 mm P-P AMPLITUDE.
10. SHOCK TEST : INDUCTANCE DEVIATION WITHIN $\pm 3.0\%$
AFTER DROP DOWN WITH 981 m/s^2 (100G) SHOCK ATTITUDE UPON A RUBBER BLOCK METHOD SHOCK TESTING MACHINE, FOR 1 TIME, IN EACH OF THREE ORIENTATIONS.

24 th SEP., 1993

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

DRG. NO.	3/5
S-074-435	

CDR125

ELECTRICAL CHARACTERISTICS

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	CDR125-10 $\varnothing$ MC	100M	10 μ H $\pm$ 20 %	0.05	2.65	24.2	4722-0006
02	CDR125-12 $\varnothing$ MC	120M	12 μ H $\pm$ 20 %	0.05	2.50	21.2	4722-0017
03	CDR125-15 $\varnothing$ MC	150M	15 μ H $\pm$ 20 %	0.06	2.45	18.9	4722-0028
04	CDR125-18 $\varnothing$ MC	180M	18 μ H $\pm$ 20 %	0.06	2.40	16.1	4722-0039
05	CDR125-22 $\varnothing$ MC	220M	22 μ H $\pm$ 15 % + 20 %	0.07	2.20	15.2	4722-0041
06	CDR125-27 $\varnothing$ MC	270M	27 μ H $\pm$ 15 % + 20 %	0.08	2.00	13.9	4722-0052
07	CDR125-33 $\varnothing$ MC	330M	33 μ H $\pm$ 15 % + 20 %	0.10	1.80	12.8	4722-0063
08	CDR125-39 $\varnothing$ MC	390M	39 μ H $\pm$ 15 % + 20 %	0.11	1.65	11.6	4722-0074
09	CDR125-47 $\varnothing$ MC	470M	47 μ H $\pm$ 15 % + 20 %	0.12	1.50	10.4	4722-0085
10	CDR125-56 $\varnothing$ MC	560M	56 μ H $\pm$ 15 % + 20 %	0.15	1.38	9.12	4722-0096
11	CDR125-68 $\varnothing$ MC	680M	68 μ H $\pm$ 15 % + 20 %	0.17	1.26	8.50	4722-0107
12	CDR125-82 $\varnothing$ MC	820M	82 μ H $\pm$ 15 % + 20 %	0.20	1.14	7.85	4722-0118
13	CDR125-101MC	101M	100 μ H $\pm$ 15 % + 20 %	0.25	1.05	6.92	4722-0129
14	CDR125-121MC	121M	120 μ H $\pm$ 15 % + 20 %	0.28	0.95	6.34	4722-0130
15	CDR125-151MC	151M	150 μ H $\pm$ 15 % + 20 %	0.40	0.85	5.55	4722-0141
16	CDR125-181MC	181M	180 μ H $\pm$ 15 % + 20 %	0.48	0.77	5.10	4722-0152
17	CDR125-221MC	221M	220 μ H $\pm$ 15 % + 20 %	0.52	0.70	4.51	4722-0163
18	CDR125-271MC	271M	270 μ H $\pm$ 15 % + 20 %	0.70	0.63	4.37	4722-0174
19	CDR125-331MC	331M	330 μ H $\pm$ 15 % + 20 %	0.80	0.57	3.90	4722-0185
20	CDR125-391MC	391M	390 μ H $\pm$ 15 % + 20 %	1.08	0.52	3.55	4722-0196
21	CDR125-471MC	471M	470 μ H $\pm$ 15 % + 20 %	1.20	0.48	3.25	4722-0207
22	CDR125-561MC	561M	560 μ H $\pm$ 15 % + 20 %	1.34	0.44	2.94	4722-0218
23	CDR125-681MC	681M	680 μ H $\pm$ 15 % + 20 %	1.78	0.40	2.64	4722-0229
24	CDR125-821MC	821M	820 μ H $\pm$ 15 % + 20 %	2.00	0.36	2.42	4722-0231

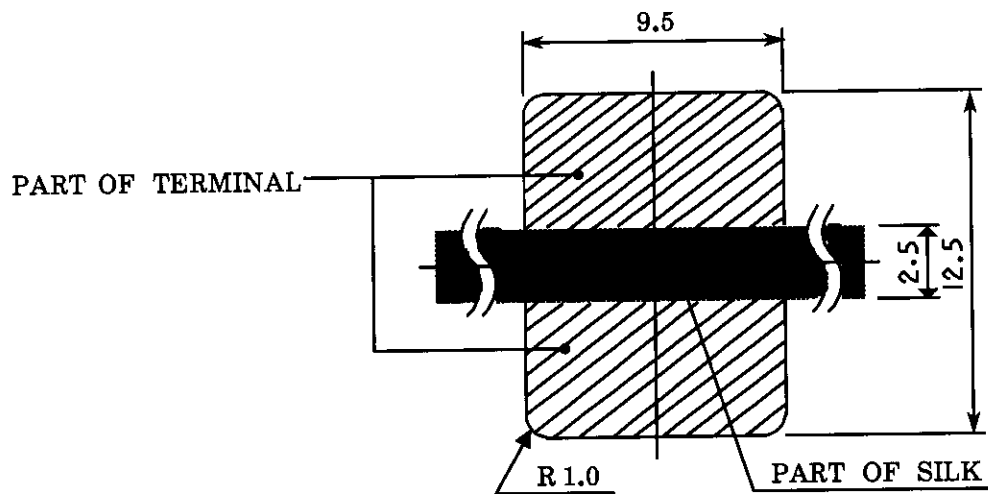
※ 1: MEASURED FREQUENCY L 10 μ H ~ 82 μ H ; at 2.52 MHz
 100 μ H ~ 820 μ H ; at 1 kHz

※ 2: UNDER D.C. PRE-MAGNETIZATION CHARACTERISTICS, IN TERMS OF RATED CURRENT, THE INDUCTANCE SHOULD NOT LESS THAN 75% (10 μ H ~ 18 μ H) AND 80% (22 μ H ~ 820 μ H) OF THE ORIGINAL VALUE, AND HEAT-UP, CHANGE OF TEMPERATURE SHOULD BE BELOW 40°C. (TEMPERATURE STANDARD ; Ta=20°C)

24 th SEP ., 1993			SUMIDA CODE	4722
C H K.	C H K.	D R G.		DEG NO. 4/5
O.SATO	KOMA ITA	KIKYO A		S-074-435

SPECIFICATION	TYPE CDR125
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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 A

DRG. NO.	5/5
S-074-435	