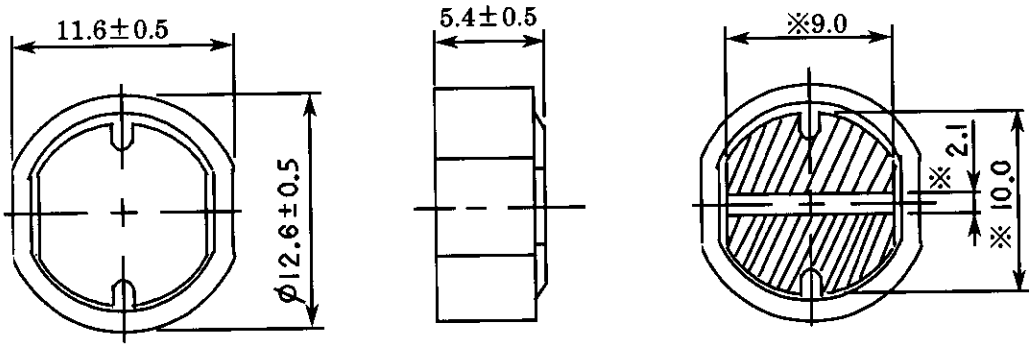
THE DATASHEET OF

CDR125-220MC

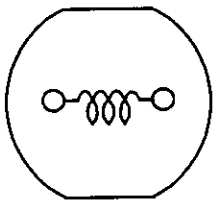
	SPECIFICATION	
	SUMIDA TYPE CDR125	PART NO. REF. TO THE ATTACHED SHEET.

1. DIMENSION (UNIT mm)

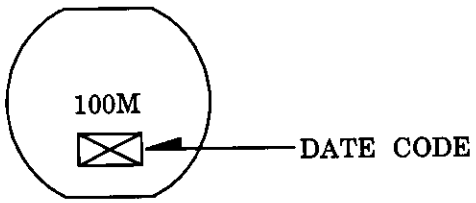


※ DIMENSION OF TERMINAL IS TYPICAL

2. CONNECTION (BOTTOM)



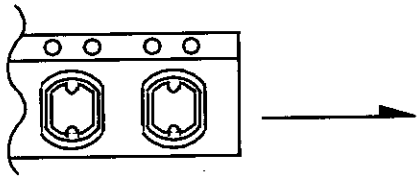
3. STAMP (Ex.)



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

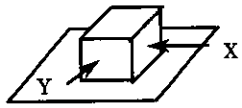
C H K.	C H K.	D R G.		DRG. NO. 2/5
O.SATO	KOMA ITA	KIKYO A		S−074−435

GENERAL CHARACTERISTICS	TYPE CDR125

1. OPERATIONG TEMPERATURE : −25 ~ +70 ℃ (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 MΩ AT 100V D.C. BETWEEN COIL−CORE.

7. INDUCTANCE TEMPERATURE COEFFICIENT : (0 ~ 2000)×10^{-6}/℃ (−25 ~ + 70℃)

8. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN ± 5.0 %

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

9. VIBRATION TEST : INDUCTANCE DEVIATION WITHIN ± 3.0 % 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 ± 3.0 %
AFTER DROP DOWN WITH 981m/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

SPECIFICATION	TYPE CDR125

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	CDR125-1ØØMC	100M	10 μH ± 20 %	0.05	2.65	24.2	4722-0006
02	CDR125-12ØMC	120M	12 μH ± 20 %	0.05	2.50	21.2	4722-0017
03	CDR125-15ØMC	150M	15 μH ± 20 %	0.06	2.45	18.9	4722-0028
04	CDR125-18ØMC	180M	18 μH ± 20 %	0.06	2.40	16.1	4722-0039
05	CDR125-22ØMC	220M	22 μH $^{+20}_{-15}$ %	0.07	2.20	15.2	4722-0041
06	CDR125-27ØMC	270M	27 μH $^{+20}_{-15}$ %	0.08	2.00	13.9	4722-0052
07	CDR125-33ØMC	330M	33 μH $^{+20}_{-15}$ %	0.10	1.80	12.8	4722-0063
08	CDR125-39ØMC	390M	39 μH $^{+20}_{-15}$ %	0.11	1.65	11.6	4722-0074
09	CDR125-47ØMC	470M	47 μH $^{+20}_{-15}$ %	0.12	1.50	10.4	4722-0085
10	CDR125-56ØMC	560M	56 μH $^{+20}_{-15}$ %	0.15	1.38	9.12	4722-0096
11	CDR125-68ØMC	680M	68 μH $^{+20}_{-15}$ %	0.17	1.26	8.50	4722-0107
12	CDR125-82ØMC	820M	82 μH $^{+20}_{-15}$ %	0.20	1.14	7.85	4722-0118
13	CDR125-1Ø1MC	101M	100 μH $^{+20}_{-15}$ %	0.25	1.05	6.92	4722-0129
14	CDR125-121MC	121M	120 μH $^{+20}_{-15}$ %	0.28	0.95	6.34	4722-0130
15	CDR125-151MC	151M	150 μH $^{+20}_{-15}$ %	0.40	0.85	5.55	4722-0141
16	CDR125-181MC	181M	180 μH $^{+20}_{-15}$ %	0.48	0.77	5.10	4722-0152
17	CDR125-221MC	221M	220 μH $^{+20}_{-15}$ %	0.52	0.70	4.51	4722-0163
18	CDR125-271MC	271M	270 μH $^{+20}_{-15}$ %	0.70	0.63	4.37	4722-0174
19	CDR125-331MC	331M	330 μH $^{+20}_{-15}$ %	0.80	0.57	3.90	4722-0185
20	CDR125-391MC	391M	390 μH $^{+20}_{-15}$ %	1.08	0.52	3.55	4722-0196
21	CDR125-471MC	471M	470 μH $^{+20}_{-15}$ %	1.20	0.48	3.25	4722-0207
22	CDR125-561MC	561M	560 μH $^{+20}_{-15}$ %	1.34	0.44	2.94	4722-0218
23	CDR125-681MC	681M	680 μH $^{+20}_{-15}$ %	1.78	0.40	2.64	4722-0229
24	CDR125-821MC	821M	820 μH $^{+20}_{-15}$ %	2.00	0.36	2.42	4722-0231

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

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

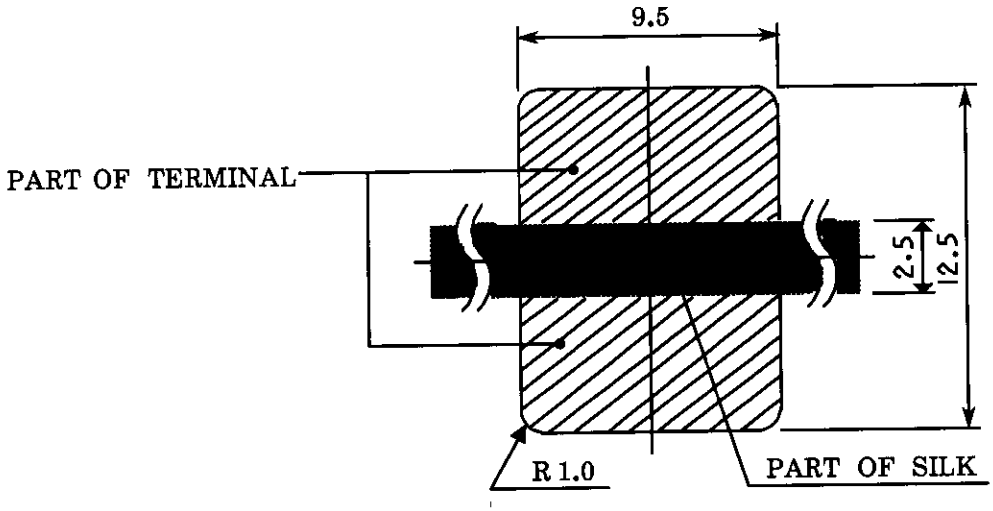
24 th SEP., 1993

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

DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK BETWEEN TERMINAL.

THICKNESS OF METALMASK RECOMMENDED 0.2 t

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	

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