Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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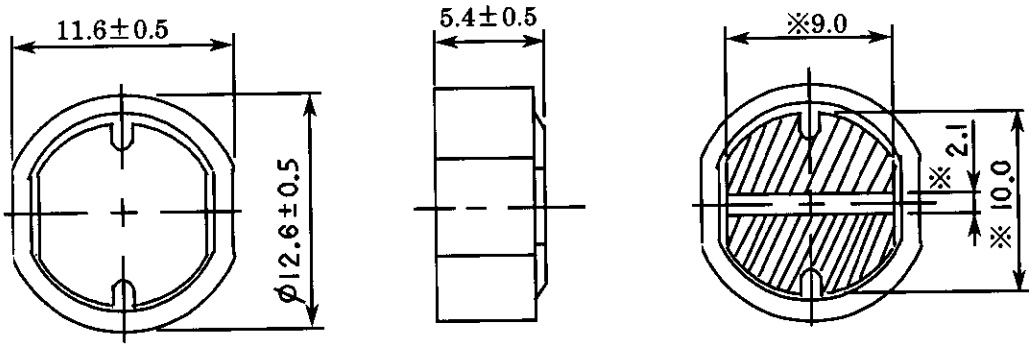
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

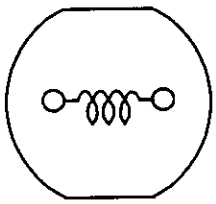
	SPECIFICATION	
	SUMIDA TYPE CDR125	PART NO. REF. TO THE ATTACHED SHEET.

1. DIMENSION (UNIT mm)

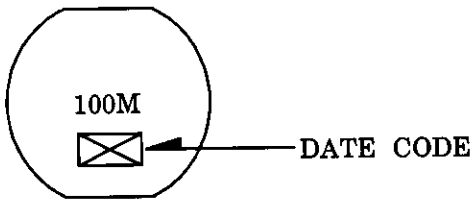


※ DIMENSION OF TERMINAL IS TYPICAL

2. CONNECTION (BOTTOM)



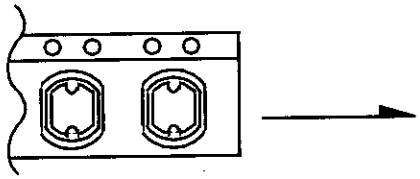
3. STAMP (Ex.)



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

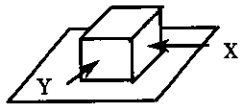
C H K.	C H K.	D R G.		DRG. NO. 2/5
O.SATO	KOMA ITA	KIKYO A		S−074−435

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)

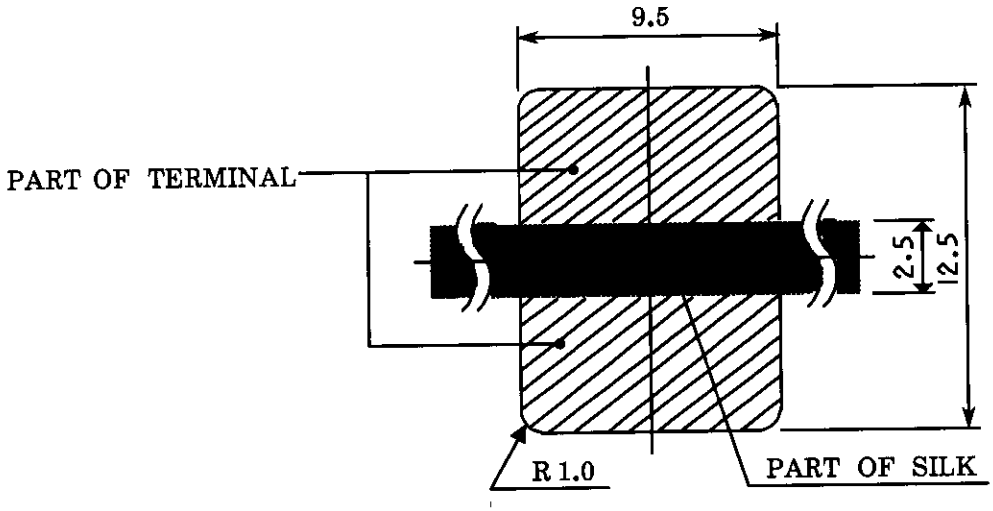
24 th SEP., 1993

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	