



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!



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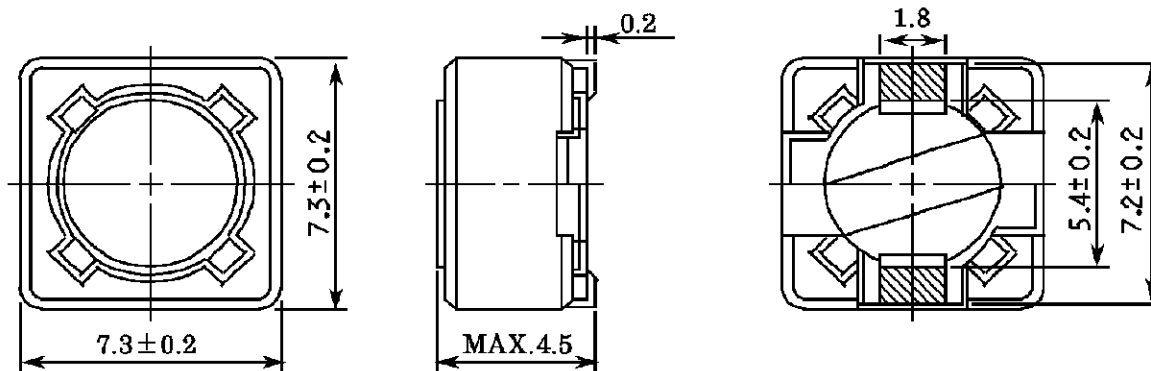
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



	SPECIFICATION	
	SUMIDA TYPE CDRH74	PART NO. REF. TO THE ATTACHED SHEET.

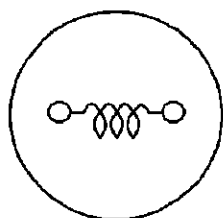
1. DIMENSION (UNIT mm)



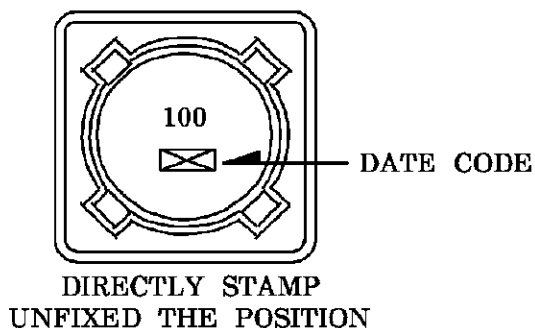
ELECTRODE TERMINAL

* DIMENSION WITHOUT TOLERANCE ARE APPROX.

2. CONNECTION (BOTTOM)



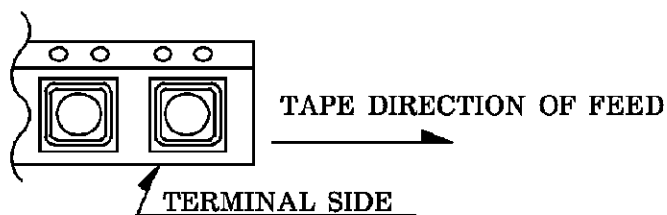
3. STAMP (Ex.)



4. NOTE

* PLEASE DO NOT USE A WASHING AGENT.

* ENCLOSING CONDITION OF COILS.



* CARRIER TAPE PACKING SPECIFICATION IN DETAIL.(S-074-491)

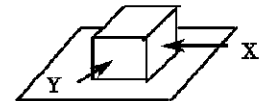
* RECOMMENDED REFLOW CONDITION TO BE ACCORDING TO S-074-5003.

25 th AUG . , 1993			SUMIDA CODE	4734
CHK.	CHK.	DRG.	DRG. NO. 2/5	
O.SATO	Y.WATA NABE	K.SATO U	S-074-488	

GENERAL CHARACTERISTICS	TYPE CDRH74
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1. OPERATING 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 5.0N(0.51kgf) FOR 10 ± 2 SECONDS. ELECTRODE SHOULD NOT PEEL OFF. (REFER TO FIGURE AT RIGHT)
4. HEAT ENDURANCE TEST : REFER TO THE 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/°C (-25 ~ + 80 °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 ± 3.0 % 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 ± 3.0 % 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.



25 th AUG . , 1993

C H K .	C H K .	D R G .
O.SATO	Y.WATA NABE	K.SATO U

DRG. NO.	3/5
S-074-488	

SPECIFICATION	TYPE CDRH74
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ELECTRICAL CHARACTERISTICS

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※ 1	D.C.R. (Ω) [MAX.] (at 20 °C) (TYPICAL BALUE)	RATED CURRENT (A) ※ 2	SUMIDA CODE
01	CDRH74-100MC	100	10 μH ± 20 %	49m (38m)	1.84	-0008
02	CDRH74-120MC	120	12 μH ± 20 %	58m (44m)	1.71	-0019
03	CDRH74-150MC	150	15 μH ± 20 %	81m (62m)	1.47	-0020
04	CDRH74-180MC	180	18 μH ± 20 %	91m (70m)	1.31	-0031
05	CDRH74-220MC	220	22 μH ± 20 %	0.11 (77m)	1.23	-0042
06	CDRH74-270MC	270	27 μH ± 20 %	0.15 (0.12)	1.12	-0053
07	CDRH74-330MC	330	33 μH ± 20 %	0.17 (0.13)	0.96	-0064
08	CDRH74-390MC	390	39 μH ± 20 %	0.23 (0.18)	0.91	-0075
09	CDRH74-470MC	470	47 μH ± 20 %	0.26 (0.20)	0.88	-0086
10	CDRH74-560MC	560	56 μH ± 20 %	0.35 (0.27)	0.75	-0097
11	CDRH74-680MC	680	68 μH ± 20 %	0.38 (0.30)	0.69	-0108
12	CDRH74-820MC	820	82 μH ± 20 %	0.43 (0.33)	0.61	-0119
13	CDRH74-101MC	101	100 μH ± 20 %	0.61 (0.47)	0.60	-0121
14	CDRH74-121MC	121	120 μH ± 20 %	0.66 (0.51)	0.52	-0132
15	CDRH74-151MC	151	150 μH ± 20 %	0.88 (0.68)	0.46	-0143
16	CDRH74-181MC	181	180 μH ± 20 %	0.98 (0.76)	0.42	-0154
17	CDRH74-221MC	221	220 μH ± 20 %	1.17 (0.90)	0.36	-0165
18	CDRH74-271MC	271	270 μH ± 20 %	1.64 (1.32)	0.34	-0176
19	CDRH74-331MC	331	330 μH ± 20 %	1.86 (1.49)	0.32	-0187
20	CDRH74-391MC	391	390 μH ± 20 %	2.85 (2.28)	0.29	-0198
21	CDRH74-471MC	471	470 μH ± 20 %	3.01 (2.41)	0.26	-0209
22	CDRH74-561MC	561	560 μH ± 20 %	3.62 (2.89)	0.23	-0210
23	CDRH74-681MC	681	680 μH ± 20 %	4.63 (3.71)	0.22	-0221
24	CDRH74-821MC	821	820 μH ± 20 %	5.20 (4.16)	0.20	-0232
25	CDRH74-102MC	102	1.0 mH ± 20 %	6.00 (4.80)	0.18	-0243

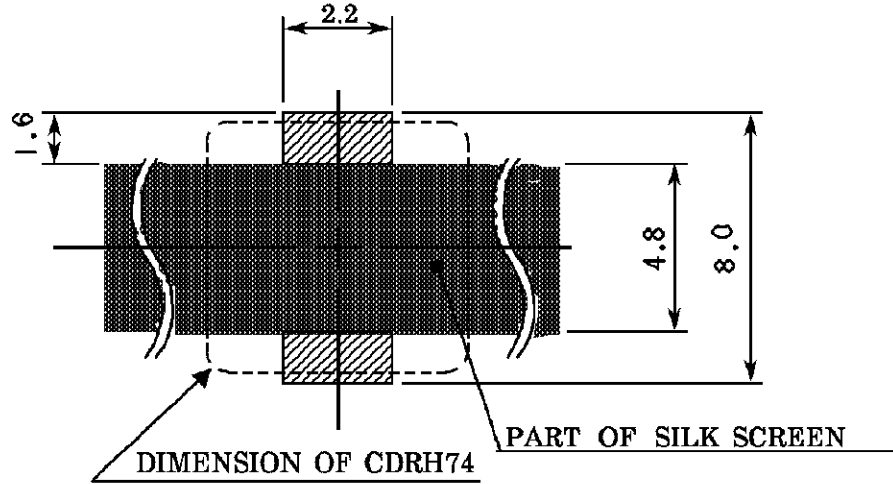
※ 1: MEASURED FREQUENCY L at 1 kHz

※ 2: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 75% MORE THAN IT'S NOMINAL VALUE AND TEMPERATURE RISING $\Delta t = 40^{\circ}\text{C}$ LOWER AT D. C. SUPERPOSITION. ($T_a = 20^{\circ}\text{C}$)

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			S-074-488	

SPECIFICATION	TYPE CDRH74
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DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK BETWEEN ELECTRODE.

25 th AUG . , 1993

C H K.	C H K.	D R G.
O.SATO	Y.WATA NABE	K.SATO U

DRG. NO.	5/5
S-074-488	