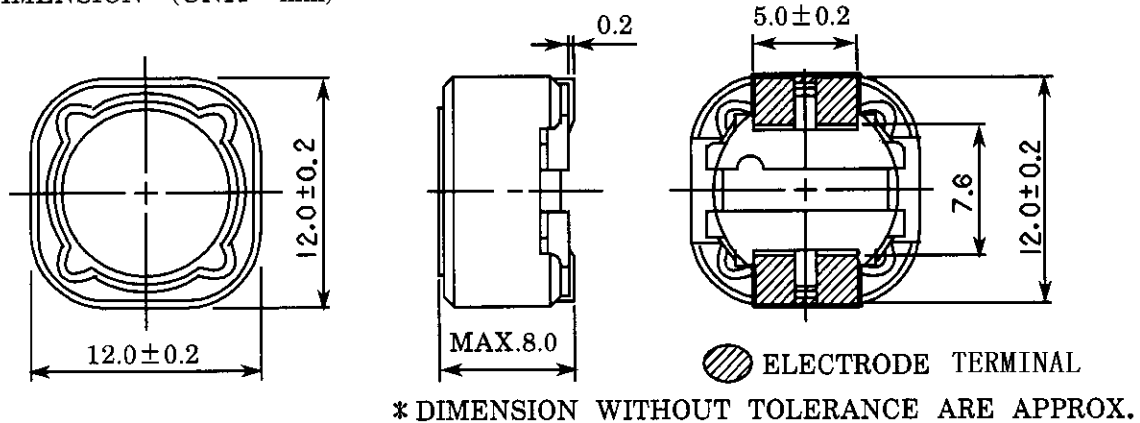
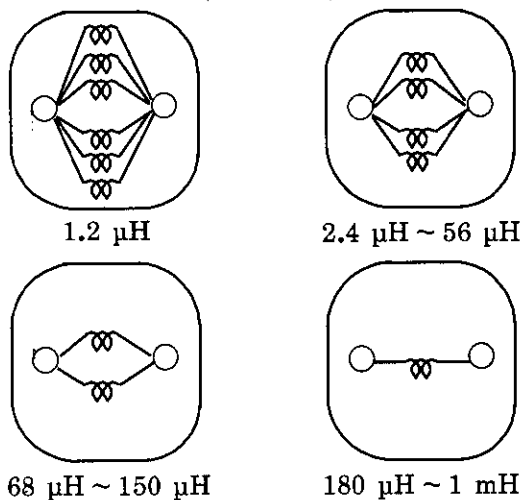


	SPECIFICATION	
	SUMIDA TYPE CDRH127	PART NO. REF. TO THE ATTACHED SHEET.

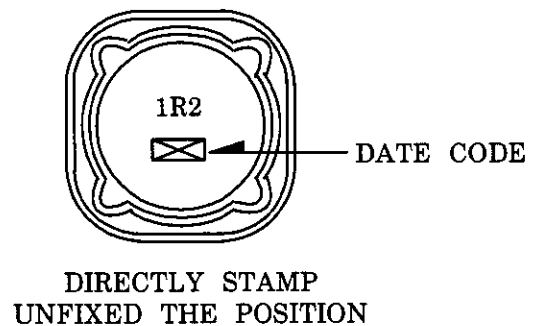
1. DIMENSION (UNIT mm)



2. CONNECTION (BOTTOM)

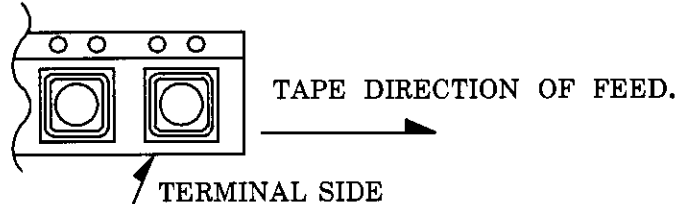


3. STAMP (Ex.)



4. NOTE

- * PLEASE DO NOT USE A WASHING AGENT.
- * ENCLOSING CONDITION OF COILS.



* CARRIER TAPE PACKING SPECIFICATION IN DETAIL.(S-074-512)

* RECOMMENDATION

DUE TO THE COIL HEAVY WEIGHT. PLEASE APPLY BOND BETWEEN THIS COIL PART AND P.C.B. WHEN FIXED ONTO THE PCB.

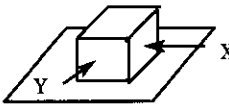
* RECOMMENDED REFLOW CONDITION TO BE ACCORDING TO S-074-5003.

17 th SEP . , 1996			SUMIDA CODE	4739	DRG. NO. 2/6 S-074-516
C H K.	C H K.	D R G.			
O.SATO	MAKABE	MONMA M			

GENERAL CHARACTERISTICS

TYPE
CDRH127

5

1. OPERATIONG TEMPERATURE : $-40 \sim +100^{\circ}\text{C}$ (COIL CONTAIN HEAT)
2. EXTERNAL APPEARANCE : ON VISUAL INSPECTION,THE COIL HAS NO EXTERNAL DEFECTS.
3. ELECTRODE STRENGTH $\triangle$: AFTER SOLDERING ,BETWEEN COPPER PLATE AND ELECTRODE OF COIL ,PUSH IN TWO DIRECTIONS OF X,Y WITHSTANDING 5.0N 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 : $\triangle$ NO APPARENT AT 100V D.C. (LEAK CURRENT:1.0mA) FOR 1 MINUTE BETWEEN COIL-CORE.
6. INSULATING RESISTANCE : OVER 100M Ω AT 100V D.C. BETWEEN COIL-CORE.
7. INDUCTANCE TEMPERATURE COEFFICIENT : $(0 \sim 2000) \times 10^{-6}/^{\circ}\text{C}$ $(-25 \sim +80^{\circ}\text{C})$
8. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN $\pm 5.0\%$
AFTER 96 HOURS IN 90~95% 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 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 $\pm 3.0\%$
AFTER DROP DOWN WITH 981m/s² SHOCK ATTITUDE UPON A RUBBER BLOCK METHOD SHOCK TESTING MACHINE ,FOR 1 TIME ,IN EACH OF THREE ORIENTATIONS.

7 th SEP . , 1995

CH K.	CH K.	DR G.
KOMA		
ITA	Y.OKADA	MONMA
		M

DRG. NO.	3/6
S-074-516	

SPECIFICATION

TYPE	CDRH127
------	---------

ELECTRICAL CHARACTERISTICS

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN]	RATED CURRENT (A) ※1	D.C.R. (Ω, at 20°C) MAX. (TYP.)	SUMIDA CODE
01	CDRH127-1R2NC	1R2	1.2 μH $\begin{smallmatrix} + 40 \\ - 20 \end{smallmatrix} \%$	9.80	7.0 m (5.2 m)	4739-0012
02	CDRH127-2R4NC	2R4	2.4 μH $\begin{smallmatrix} + 40 \\ - 20 \end{smallmatrix} \%$	8.00	11.5 m (8.5 m)	4739-0023
03	CDRH127-3R5NC	3R5	3.5 μH $\begin{smallmatrix} + 40 \\ - 20 \end{smallmatrix} \%$	7.50	13.5 m (10.0 m)	4739-0034
04	CDRH127-4R7NC	4R7	4.7 μH $\begin{smallmatrix} + 40 \\ - 20 \end{smallmatrix} \%$	6.80	15.8 m (11.7 m)	4739-0045
05	CDRH127-6R1NC	6R1	6.1 μH $\begin{smallmatrix} + 40 \\ - 20 \end{smallmatrix} \%$	6.60	17.6 m (13.0 m)	4739-0056
06	CDRH127-7R6NC	7R6	7.6 μH $\begin{smallmatrix} + 40 \\ - 20 \end{smallmatrix} \%$	5.90	20.0 m (15.0 m)	4739-0067
07	CDRH127-100MC	100	10 μH $\pm 20 \%$	5.40	21.6 m (16.0 m)	4739-0078
08	CDRH127-120MC	120	12 μH $\pm 20 \%$	4.90	24.3 m (18.0 m)	4739-0089
09	CDRH127-150MC	150	15 μH $\pm 20 \%$	4.50	27.0 m (20.0 m)	4739-0091
10	CDRH127-180MC	180	18 μH $\pm 20 \%$	3.90	39.2 m (29.0 m)	4739-0102
11	CDRH127-220MC	220	22 μH $\pm 20 \%$	3.60	43.2 m (32.0 m)	4739-0113
12	CDRH127-270MC	270	27 μH $\pm 20 \%$	3.40	45.9 m (34.0 m)	4739-0124
13	CDRH127-330MC	330	33 μH $\pm 20 \%$	3.00	64.8 m (48.0 m)	4739-0135
14	CDRH127-390MC	390	39 μH $\pm 20 \%$	2.75	72.9 m (54.0 m)	4739-0146
15	CDRH127-470MC	470	47 μH $\pm 20 \%$	2.50	0.10 (76.0 m)	4739-0157
16	CDRH127-560MC	560	56 μH $\pm 20 \%$	2.35	0.11 (83.0 m)	4739-0281
17	CDRH127-680MC	680	68 μH $\pm 20 \%$	2.10	0.14 (0.10)	4739-0292
18	CDRH127-820MC	820	82 μH $\pm 20 \%$	1.95	0.16 (0.12)	4739-0303
19	CDRH127-101MC	101	100 μH $\pm 20 \%$	1.70	0.22 (0.17)	4739-0314
20	CDRH127-121MC	121	120 μH $\pm 20 \%$	1.60	0.25 (0.18)	4739-0325

17 th SEP . , 1996			SUMIDA CODE	4739	DEG NO. 4/6 S-074-516
C H K.	C H K.	D R G.			
O.SATO	MAKABE	MONMA M			

SPECIFICATION

TYPE	CDRH127
------	---------

ELECTRICAL CHARACTERISTICS

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN]	RATED CURRENT (A) ※1	D.C.R. (Ω , at 20°C) MAX. (TYP.)	SUMIDA CODE
21	CDRH127-151MC	151	150 μH ± 20 %	1.42	0.28 (0.21)	4739-0336
22	CDRH127-181MC	181	180 μH ± 20 %	1.30	0.35 (0.26)	4739-0347
23	CDRH127-221MC	221	220 μH ± 20 %	1.16	0.39 (0.29)	4739-0358
24	CDRH127-271MC	271	270 μH ± 20 %	1.06	0.56 (0.42)	4739-0369
25	CDRH127-331MC	331	330 μH ± 20 %	0.95	0.64 (0.47)	4739-0370
26	CDRH127-391MC	391	390 μH ± 20 %	0.88	0.70 (0.52)	4739-0381
27	CDRH127-471MC	471	470 μH ± 20 %	0.79	0.98 (0.73)	4739-0392
28	CDRH127-561MC	561	560 μH ± 20 %	0.73	1.07 (0.79)	4739-0403
29	CDRH127-681MC	681	680 μH ± 20 %	0.67	1.46 (1.12)	4739-0414
30	CDRH127-821MC	821	820 μH ± 20 %	0.60	1.64 (1.26)	4739-0425
31	CDRH127-102MC	102	1.0 mH ± 20 %	0.55	1.82 (1.40)	4739-0436

MEASURED FREQUENCY L 1.2 μH ~ 7.6 μH ; at 100 kHz
 10 μH ~ 1 mH ; at 1 kHz

※1: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 75% MORE THAN IT'S NOMINAL VALUE AND TEMPERATURE RISING Δt=40℃ LOWER AT D.C. SUPERPOSITION. (Ta=20℃)

17 th SEP . , 1996			SUMIDA CODE	4739	DEG NO. 5/6 S-074-516
C H K.	C H K.	D R G.			
O.SATO	MAKABE	MONMA M			

TYPE	CDRH127
------	---------

Technical drawing of a rectangular component, likely a microchip or package, showing dimensions and labels:

- Overall width: 12.8
- Overall height: 7.0
- Top flange width: 5.4
- Top flange thickness: 2.9
- Central rectangular area: DIMENSION OF CDRH127
- Bottom flange area: PART OF SILK SCREEN

7 th SEP . , 1995		
C H K.	C H K.	D R G.
KOMA		
ITA	Y.OKADA	MONMA
		M

DRG. NO. 6/6

S-074-516