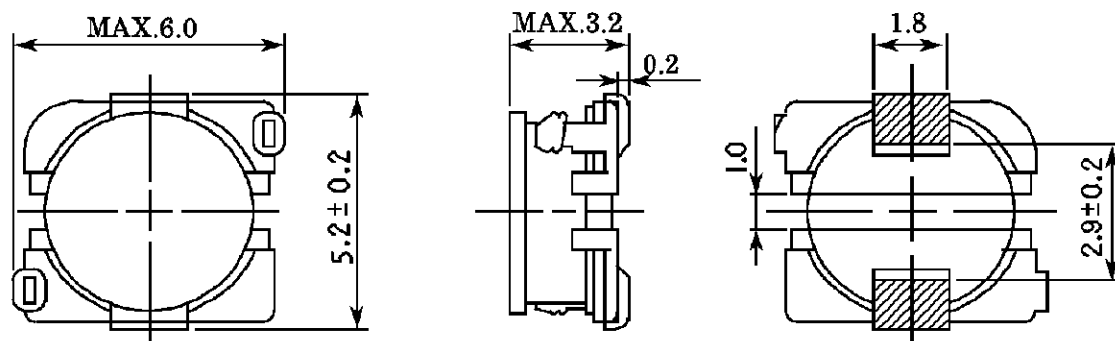


	SPECIFICATION	
	SUMIDA TYPE CDH53	PART NO. REF. TO THE ATTACHED SHEET.

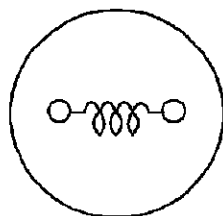
1. DIMENSION (UNIT mm)



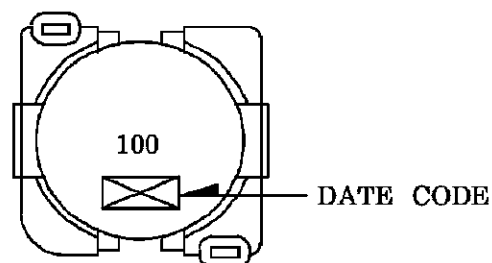
ELECTRODE TERMINAL

* DIMENSION WITHOUT TOLERANCE ARE APPROX.

2. CONNECTION



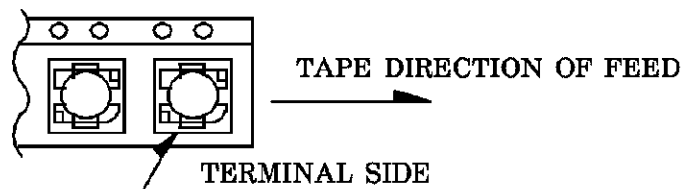
3. STAMP (Ex.)



DIRECTLY STAMP
UNFIXED THE POSITION

4. NOTE

* ENCLOSING CONDITION OF COILS.



* IN THE CASE OF BOX:BOX PACKING AFTER CARRIER TAPE PACKING. (NO REEL)
IN THE CASE OF REEL:CARRIER TAPE PACKING SPECIFICATION IN DETAIL. (S-074-503)

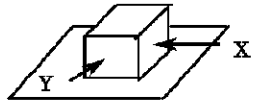
*RECOMMENDED REFLOW CONDITION TO BE ACCORDING TO S-074-5003.

24 th AUG . , 1994			SUMIDA CODE	4736	
CH K.	CH K.	DR G.			DRG. NO. 2/6
O.SATO	KOMA ITA	MONMA M			S-074-506

GENERAL CHARACTERISTICS

TYPE

CDH53

1. OPERATIONG TEMPERATURE : - 30 ~ + 100 °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 5.0NFOR 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/°C (-25 ~ + 80 °C)
8. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN ± 5 %

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 % 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 % AFTER DROP DOWN WITH 981m/s²SHOCK ATTITUDE UPON A RUBBER BLOCK METHOD SHOCK TESTING MACHINE, FOR 1 TIME, IN EACH OF THREE ORIENTATIONS.

24 th AUG ., 1994

C H K .	C H K .	D R G .
O.SATO	SUZUKI	MONMA M

DRG. NO.

3/6

S-074-506

TYPE	CDH53
------	-------

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※ 1	D.C.R. (Ω) [MAX.] (at 20 °C) (TYPICAL VALUE)	RATED CURRENT (A) ※ 2	SUMIDA CODE
01	CDH53-2R2MC	2R2	2.2 μ H $\pm$ 20 %	66 m (51 m)	2.03	-0025
02	CDH53-3R3MC	3R3	3.3 μ H $\pm$ 20 %	88 m (68 m)	1.88	-0036
03	CDH53-4R7MC	4R7	4.7 μ H $\pm$ 20 %	96 m (74 m)	1.68	-0047
04	CDH53-100LC	100	10 μ H $\pm$ 15 %	0.16 (0.13)	1.23	-0058
05	CDH53-120LC	120	12 μ H $\pm$ 15 %	0.18 (0.14)	1.12	-0069
06	CDH53-150KC	150	15 μ H $\pm$ 10 %	0.25 (0.20)	1.00	-0071
07	CDH53-180KC	180	18 μ H $\pm$ 10 %	0.28 (0.21)	0.88	-0082
08	CDH53-220KC	220	22 μ H $\pm$ 10 %	0.39 (0.30)	0.80	-0093
09	CDH53-270KC	270	27 μ H $\pm$ 10 %	0.42 (0.32)	0.72	-0104
10	CDH53-330KC	330	33 μ H $\pm$ 10 %	0.49 (0.38)	0.67	-0115
11	CDH53-390KC	390	39 μ H $\pm$ 10 %	0.55 (0.43)	0.64	-0126
12	CDH53-470KC	470	47 μ H $\pm$ 10 %	0.77 (0.59)	0.53	-0137
13	CDH53-560KC	560	56 μ H $\pm$ 10 %	0.87 (0.67)	0.50	-0148
14	CDH53-680JC	680	68 μ H $\pm$ 5 %	1.21 (0.96)	0.45	-0159
15	CDH53-820JC	820	82 μ H $\pm$ 5 %	1.34 (1.07)	0.39	-0160
16	CDH53-101JC	101	100 μ H $\pm$ 5 %	1.57 (1.25)	0.37	-0171
17	CDH53-121JC	121	120 μ H $\pm$ 5 %	1.80 (1.44)	0.34	-0182
18	CDH53-151JC	151	150 μ H $\pm$ 5 %	2.40 (1.92)	0.31	-0193
19	CDH53-181JC	181	180 μ H $\pm$ 5 %	2.66 (2.13)	0.30	-0204
20	CDH53-221JC	221	220 μ H $\pm$ 5 %	3.73 (2.99)	0.26	-0215

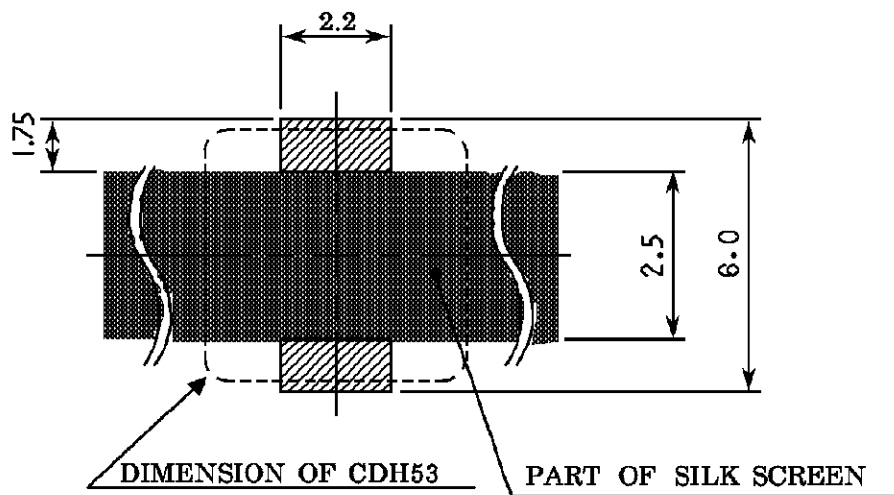
※ 2: AT VALUE OF INDUCTANCE WHEN IS 10% DOWN FROM FIRST VALUE AS CHARACTERISTICS OF D.C. SUPREPOSITION OR D.C. CURRENT WHEN TEMPERATURE OF COIL INCREASED UP TO 40°C. ($T_a=20^{\circ}\text{C}$)

24 th AUG . , 1994			SUMIDA CODE	4736
C H K.	C H K.	D R G.		
O.SATO	SUZUKI	MONMA M		
			DEG NO. 4/6	
			S-074-506	

SPECIFICATION

TYPE	CDH53
------	-------

DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK BETWEEN TERMINAL.

24 th AUG . , 1994

C H K.	C H K.	D R G.
O.SATO	SUZUKI	MONMA M

DRG. NO.	6/6
S-074-506	