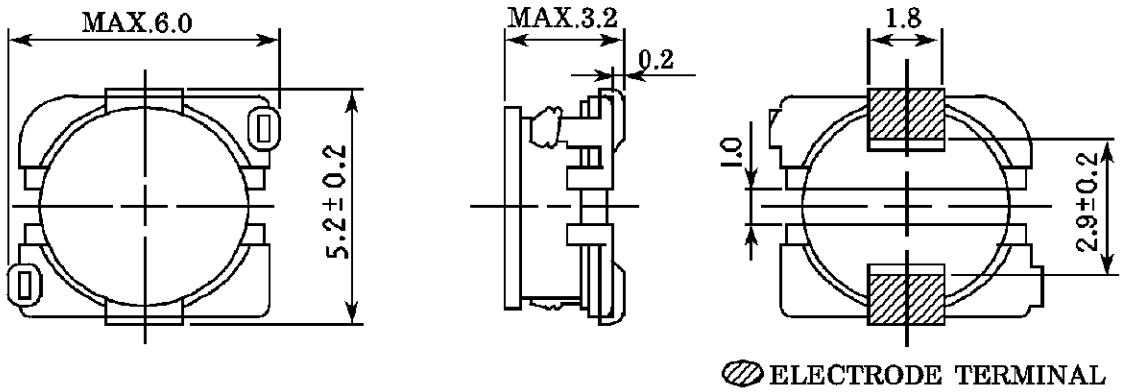
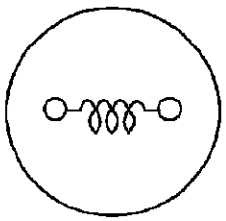
	SPECIFICATION	
	SUMIDA TYPE CDH53	PART NO. REF. TO THE ATTACHED SHEET.

1. DIMENSION (UNIT mm)

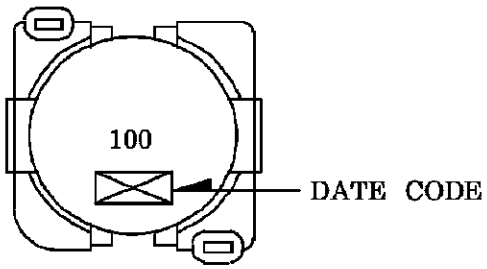


* DIMENSION WITHOUT TOLERANCE ARE APPOX.

2. CONNECTION



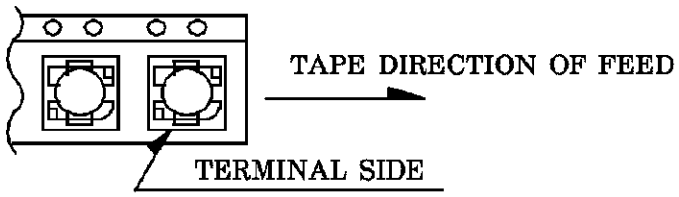
3. STAMP (Ex.)



DIRECTLY STAMP
UNFIXED THE POSITION

4. NOTE

* ENCLOSING CONDITION OF COILS.



△2 * 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

C H K.	C H K.	D R G.		DRG. NO. 2/6
O.SATO	KOMA ITA	MONMA M		S−074−506

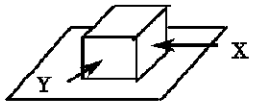
GENERAL CHARACTERISTICS

TYPE
CDH53

1. OPERATIONG TEMPERATURE : − 30 ~ + 100 ℃ (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 $^{-6}$/℃ (−25 ~ + 80 ℃)

8. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN ± 5 %

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 % 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/s^{2}SHOCK 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

SPECIFICATION

TYPE
CDH53

ELECTRICAL CHARACTERISTICS I (IN THE CASE OF REEL)

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (Ω) [MAX.] (at 20℃) (TYPICAL VALUE)	RATED CURRENT (A) ※2	SUMIDA CODE
01	CDH53－2R2MC	2R2	2.2 μH ± 20 %	66 m (51 m)	2.03	－0025
02	CDH53－3R3MC	3R3	3.3 μH ± 20 %	88 m (68 m)	1.88	－0036
03	CDH53－4R7MC	4R7	4.7 μH ± 20 %	96 m (74 m)	1.68	－0047
04	CDH53－1Ø ØLC	100	10 μH ± 15 %	0.16 (0.13)	1.23	－0058
05	CDH53－12ØLC	120	12 μH ± 15 %	0.18 (0.14)	1.12	－0069
06	CDH53－15ØKC	150	15 μH ± 10 %	0.25 (0.20)	1.00	－0071
07	CDH53－18ØKC	180	18 μH ± 10 %	0.28 (0.21)	0.88	－0082
08	CDH53－22ØKC	220	22 μH ± 10 %	0.39 (0.30)	0.80	－0093
09	CDH53－27ØKC	270	27 μH ± 10 %	0.42 (0.32)	0.72	－0104
10	CDH53－33ØKC	330	33 μH ± 10 %	0.49 (0.38)	0.67	－0115
11	CDH53－39ØKC	390	39 μH ± 10 %	0.55 (0.43)	0.64	－0126
12	CDH53－47ØKC	470	47 μH ± 10 %	0.77 (0.59)	0.53	－0137
13	CDH53－56ØKC	560	56 μH ± 10 %	0.87 (0.67)	0.50	－0148
14	CDH53－68ØJC	680	68 μH ± 5 %	1.21 (0.96)	0.45	－0159
15	CDH53－82ØJC	820	82 μH ± 5 %	1.34 (1.07)	0.39	－0160
16	CDH53－1Ø1JC	101	100 μH ± 5 %	1.57 (1.25)	0.37	－0171
17	CDH53－121JC	121	120 μH ± 5 %	1.80 (1.44)	0.34	－0182
18	CDH53－151JC	151	150 μH ± 5 %	2.40 (1.92)	0.31	－0193
19	CDH53－181JC	181	180 μH ± 5 %	2.66 (2.13)	0.30	－0204
20	CDH53－221JC	221	220 μH ± 5 %	3.73 (2.99)	0.26	－0215

※1: MEASURED FREQUENCY L 2.2 μH ~ 4.7 μH at 7.96 MHz
10 μH ~ 220 μH at 1 kHz

※2: AT VALUE OF INDUCTANCE WHEN IS 10% DOWN FROM FIRST VALUE AS CHARACTERISTICS OF D.C. SUPREPOSOTION OR D.C. CURRENT WHEN TEMPERATURE OF COIL INCREASED UP TO 40℃. (Ta＝20℃)

24 th AUG., 1994

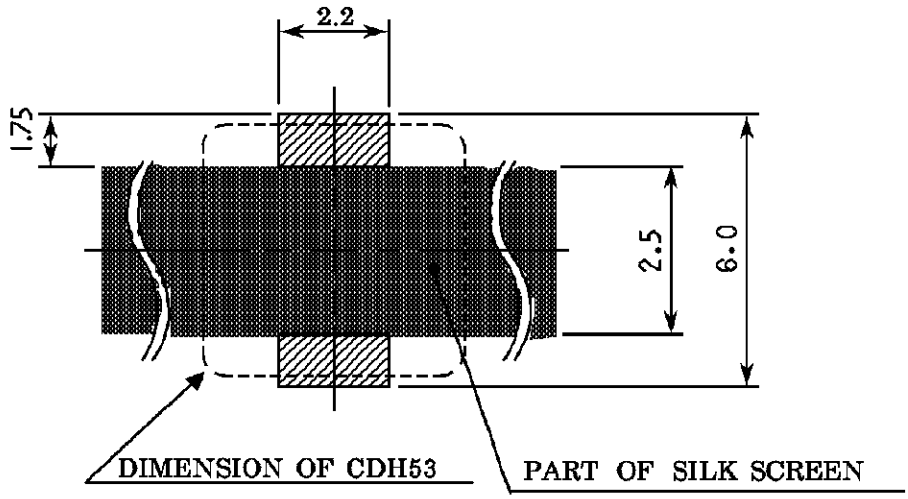
SUMIDA CODE	4736

C H K.	C H K.	D R G.		DEG NO. 4/6
O.SATO	SUZUKI	MONMA M		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	