

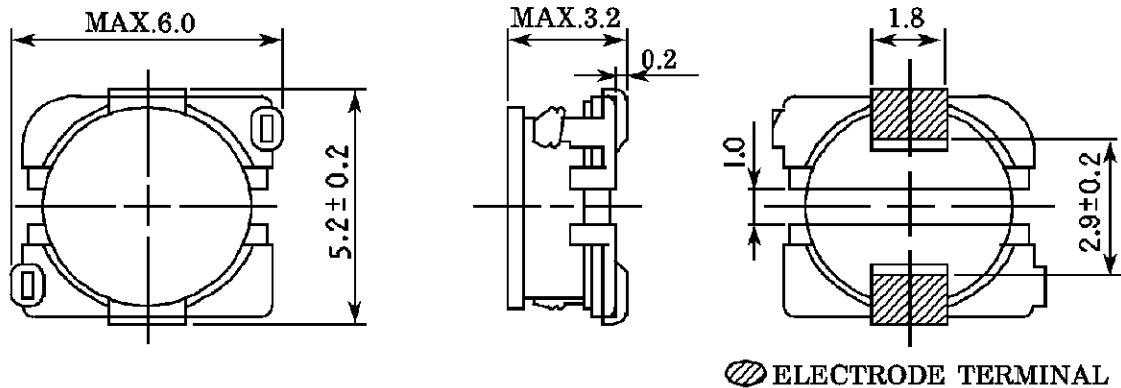


**THE DATASHEET OF  
CDH53-120LC**



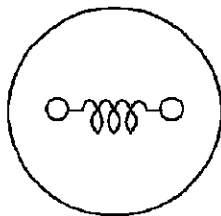
<b>SPECIFICATION</b>		
	SUMIDA TYPE <b>CDH53</b>	PART NO.    REF. TO THE ATTACHED SHEET.

**1. DIMENSION (UNIT mm)**

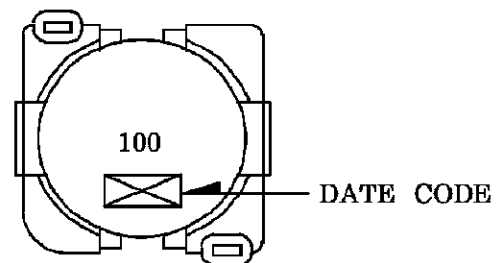


\* DIMENSION WITHOUT TOLERANCE ARE APPROX.

**2. CONNECTION**



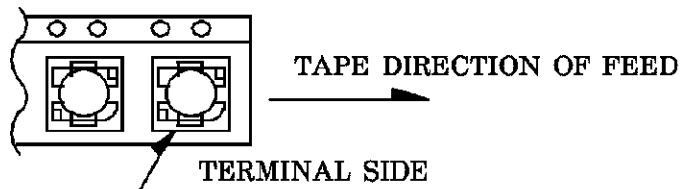
**3. STAMP (Ex.)**



**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)

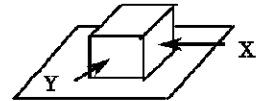
\*RECOMMENDED REFLOW CONDITION TO BE ACCORDING TO S-074-5003.

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

# GENERAL CHARACTERISTICS

TYPE	CDH53
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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. TERMINAL STRENGTH : AFTER SOLDERING, BETWEEN COPPER PLATE AND TERMINAL OF COIL, PUSH IN TWO DIRECTIONS OF X, Y WITHSTANDING 5.0N 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<sup>-6</sup>/°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/s<sup>2</sup> SHOCK ATTITUDE UPON A RUBBER BLOCK METHOD SHOCK TESTING MACHINE, FOR 1 TIME, IN EACH OF THREE ORIENTATIONS.



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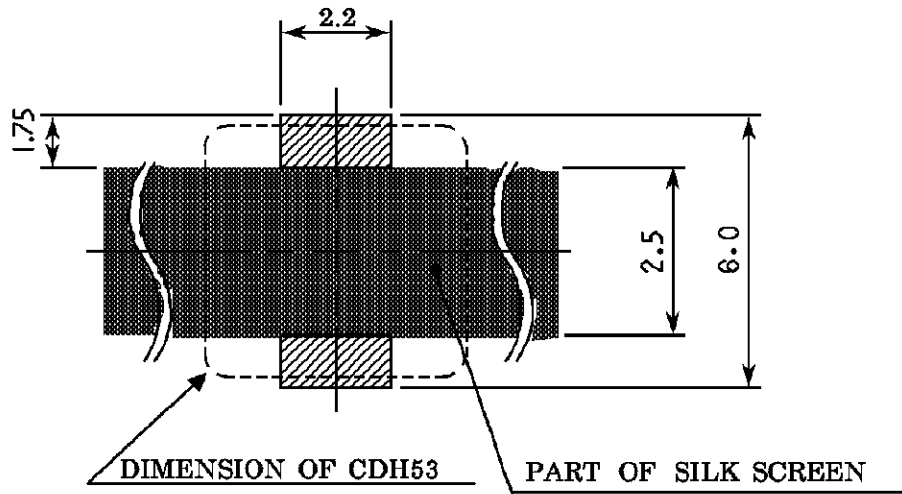
DRG. NO.	3/6
<b>S-074-506</b>	



# SPECIFICATION

TYPE	CDH53
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DIMENSION RECOMMENDED (mm)



PLEASE COAT WITH SILK BETWEEN TERMINAL.



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

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-  [View CDH53-120LC on WIN SOURCE](#)
-  [Sumida America Components Inc. Information](#)

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-  Obsolete Management
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-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management