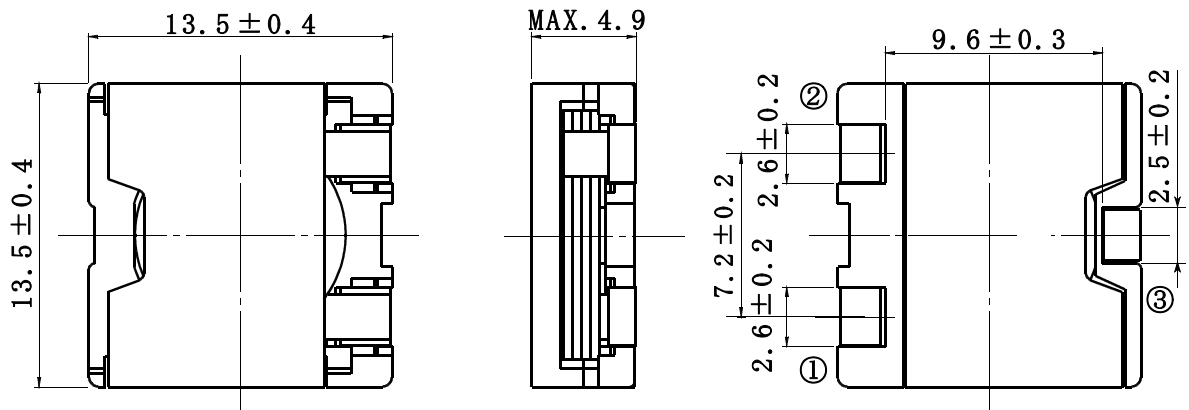
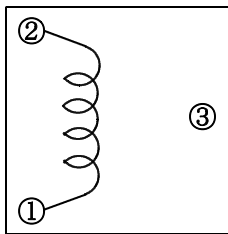


SPECIFICATION		
SUMIDA TYPE C D E P 1 3 4		PART NO. REF. TO THE ATTACHED SHEET.

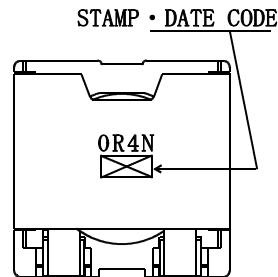
1. DIMENSION (mm)



2. CONNECTION (BOTTOM)

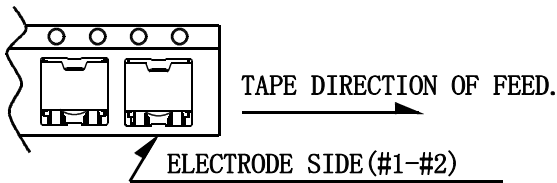


3. STAMP (Ex.)



4. NOTE

- \* PLEASE DO NOT USE A WASHING AGENT.
- \* PLEASE PAY ATTENTION TO THE SUITABILITY OF THE PATTERN FOR THE CURRENT IN DESIGN.
- \* RECOMMENDED REFLOW CONDITION TO BE ACCORDING TO S-074-5003.
- △ \* TERMINAL TO BE SOLDERED WHEN USED.
- \* ENCLOSING CONDITION OF COILS.



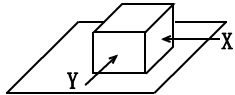
- \* CARRIER TAPE PACKING SPECIFICATION IN DETAIL. (S-074-5102)
- \* PLEASE PAY ATTENTION TO SAFETY DISTANCE BETWEEN COIL PERIPHERY AND OTHER PARTS OR COPPER PATTERN, BECAUSE Mn-Zn SERIES FERRITE CORE IS USED IN THE PRODUCTS.

13th, Feb., 2000			SUMIDA CODE	4769
CHK.	CHK.	DRG.	DRG. NO. 2/6  S-074-6087	
CHEN WEI MING	HE GUO GAO	ZHONG ZI JIAN F		

# GENERAL CHARACTERISTICS

TYPE C D E P 1 3 4
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1. STORAGE TEMPERATURE RANGE : - 4 0 °C ~ + 1 0 0 °C
2. OPERATING TEMPERATURE RANGE: - 4 0 °C ~ + 1 0 0 °C (INCLUDING SELF TEMPERATURE RISE)
3. EXTERNAL APPEARANCE : NO VISUAL INSPECTION THE COIL HAS NO EXTERNAL DEFECTS .
4. ELECTRODE STRENGTH : AFTER SOLDERING BETWEEN COPPER PLATE AND ELECTRODE OF COIL, PUSH IN TWO DIRECTIONS OF X, Y WITHSTANDING 5.0N FOR 10.0± 1 SECONDS. ELECTRODE SHOULD NOT PEEL OFF. (REFER TO FIGURE AT RIGHT)
 


5. HEAT ENDURANCE TEST : REFER TO S-074-5002.
6. TEMPERATURE FEATURE : INDUCTANCE COEFFICIENT IS  $(0 \sim 2000) \times 10^{-6} / ^\circ\text{C}$  ( -40°C ~ +100°C )
7. HUMIDITY TEST : INDUCTANCE DEVIATION IS WITHIN  $\pm 5.0\%$  AFTER PUTTING THE COIL INTO THE ENVIRONMENT OF 90 ~ 95% RELATIVE HUMIDITY AND TEMPERATURE OF  $40 \pm 2^\circ\text{C}$  FOR  $96 \pm 4$  HOURS, THEN DRYING UNDER NORMAL CONDITION FOR 2 HOUR.
8. VIBRATION TEST : INDUCTANCE DEVIATION WITHIN  $\pm 3.0\%$  VIBRATION FOR 1 HOUR IN EACH OF THE THREE ORIENTATIONS VERTICALLY EACH OTHER (X. Y. Z.) AT SWEEP VIBRATION (10 ~ 55 ~ 10Hz) WITH 1.5mm P-P AMPLITUDE.
9. SHOCK TEST : INDUCTANCE DEVIATION WITHIN  $\pm 3.0\%$  TESTED IN EACH OF THE THREE ORIENTATIONS VERTICALLY FOR 1 TIME AT THE SHOCK ACCELERATION OF  $981\text{m/s}^2$ , USING RUBBER BLOCK SHOCK TESTING MACHINE.

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CHK.	CHK.	DRG.
CHEN WEI MING	HE GUOGAO	ZHONG ZIJIAN F

DRG NO	3 / 6
S-074-6087	

# SPECIFICATION

TYPE

CDEP134

## ELECTRICAL CHARACTERISTICS-1

NO	PART NO	STAMP	INDUCTANCE [ WITHIN ] ※ 1	D. C. R. ( mΩ ) [ MAX. ] ※ 2 ( at 20°C )	THE SATURATION CURRENT ( A ) ※ 3		TEMPERATURE RISE ( A ) ※ 4 △ T=40°C	SUM DA CODE
					( at 20°C )	( at 100°C )		
01	CDEP134-ØR4NC	ØR4N	0.4μ H± 30%	1.9(1.6)	32.0	27.0	18.5	
02	CDEP134-ØR9MC	ØR9M	0.9μ H± 20%	2.5(2.1)	21.6	18.4	17.0	-0009
03	CDEP134-1R6MC	1R6M	1.6μ H± 20%	3.7(3.1)	16.0	13.8	15.0	-0010
04	CDEP134-2R5MC	2R5M	2.5μ H± 20%	6.6(5.5)	12.8	11.0	10.5	
05	CDEP134-3R6MC	3R6M	3.6μ H± 20%	10.8(9.0)	10.9	9.1	8.0	
06	CDEP134-4R8MC	4R8M	4.8μ H± 20%	12.0(10.0)	9.3	8.0	7.5	-0013
07	CDEP134-6R4MC	6R4M	6.4μ H± 20%	16.3(13.6)	8.0	6.8	7.0	-0014
08	CDEP134-8R0MC	8R0M	8.0μ H± 20%	18.4(15.3)	7.2	6.1	6.5	-0015

※ 1 MEASURING CONDITION at 100kHz 1V

※ 2 D. C. R. ( ) TYPICAL VALUE.

※ 3 THE SATURATION CURRENT: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS OVER { 75% (INDUCTANCE TOLERANCE IS 20% TIME) } OF THE NOMINAL VALUE.  $\triangle$   
65% (INDUCTANCE TOLERANCE IS 30% TIME)

※ 4 THE TEMPERATURE RISE: THE VALUE OF D. C. CURRENT WHEN THE TEMPERATURE RISE IS  $\Delta t = 40^{\circ}\text{C}$  ( $T_a = 20^{\circ}\text{C}$ ).

13th, Feb., 2000

SUM DA CODE

4769

CHK.	CHK.	DRG.	DRG. NO	4 / 6
CHEN WEIMING	HE GUOGAO	ZHONG ZIJIAN F		

# SPECIFICATION

TYPE

CDEP134

## ELECTRICAL CHARACTERISTICS-2

NO	PART NO	STAMP	INDUCTANCE [ WITHIN ] ※ 1	D. C. R. ( mΩ ) [ MAX. ] ※ 2 ( at 20°C )	THE SATURATION CURRENT ( A ) ※ 3		TEMPERATURE RISE ( A ) ※ 4 △ T=40°C	SUMIDA CODE
					( at 20°C )	( at 100°C )		
09	CDEP134-ØR3NC-H	ØR3NH	0.3μ H ± 30%	1.9(1.6)	35.0	32.0	18.5	
10	CDEP134-ØR6NC-H	ØR6NH	0.66μ H ± 30%	2.5(2.1)	29.0	24.0	17.0	-0017
11	CDEP134-1R2MC-H	1R2MH	1.2μ H ± 20%	3.7(3.1)	21.0	17.6	15.0	-0008
12	CDEP134-1R8MC-H	1R8MH	1.8μ H ± 20%	6.6(5.5)	17.6	14.4	10.5	
13	CDEP134-2R7MC-H	2R7MH	2.7μ H ± 20%	10.8(9.0)	14.7	12.0	8.0	-0020
14	CDEP134-3R6MC-H	3R6MH	3.6μ H ± 20%	12.0(10.0)	12.5	10.2	7.5	
15	CDEP134-4R8MC-H	4R8MH	4.8μ H ± 20%	16.3(13.6)	11.0	9.0	7.0	-0022
16	CDEP134-6RØMC-H	6RØMH	6.0μ H ± 20%	18.4(15.3)	9.6	8.0	6.5	-0023

※ 1 MEASURING CONDITION at 100kHz 1V

※ 2 D. C. R. ( ) TYPICAL VALUE.

※ 3 THE SATURATION CURRENT: THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS OVER { 75% (INDUCTANCE TO LERANCE IS 20% TIME)  
65% (INDUCTANCE TO LERANCE IS 30% TIME) } OF THE NOMINAL VALUE.  $\triangle$

※ 4 THE TEMPERATURE RISE: THE VALUE OF D. C. CURRENT WHEN THE TEMPERATURE RISE IS  $\Delta t = 40^{\circ}\text{C}$  ( $T_a = 20^{\circ}\text{C}$ ).

13th, Feb., 2000

SUMIDA CODE

4769

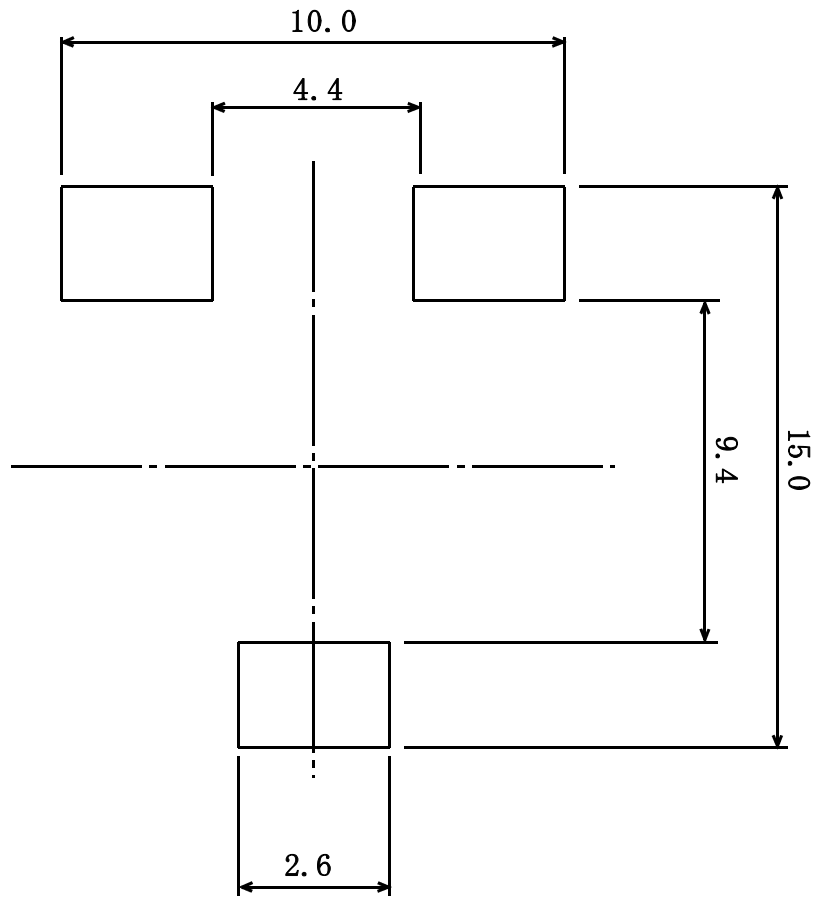
CHK.	CHK.	DRG.	DRG NO	5 / 6
CHEN WEI MING	HE GUOGAO	ZHONG ZIJIAN F		

# SPECIFICATION

TYPE CDEP134
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DI MENSION RECOMMENDED (mm)

REVISION



13th, Feb., 2000

CHK.	CHK.	DRG.
CHEN WEI MING	HE GUOGAO	ZHONG ZIJIAN F

DRG NO	6 / 6
S-074-6087	