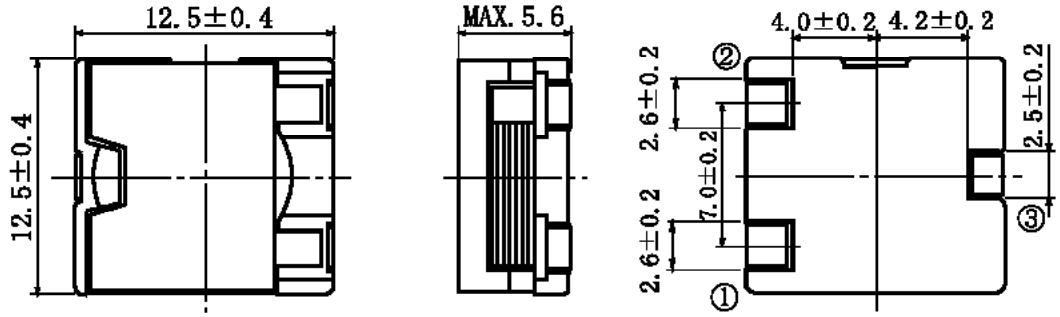
THE DATASHEET OF

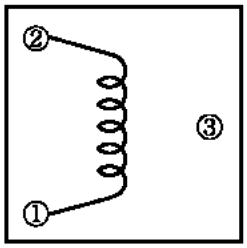
CEP125-0R8NC-UD

	SPECIFICATION	
	SUMIDA TYPE　CEP125	PART NO.　REF. TO P.4/5

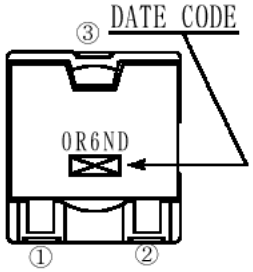
1. DIMENSION (UNIT mm)



2. CONNECTION (BOTTOM)

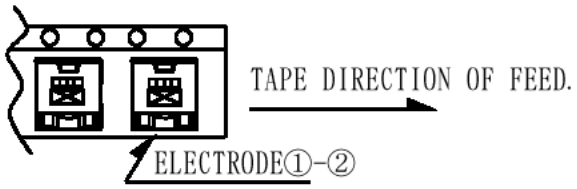


3. STAMP (EXP.)



4. NOTE

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



* CARRIER TAPE PACKING SPECIFICATION IN DETAIL S-074-5083.
* PLEASE PAY ATTENTION TO THE SUITABILITY OF THE PATTERN FOR THE CURRENT IN DESIGN.
* RECOMMENDED REFLOW CONDITION TO BE ACCORDING TO S-074-5003.
* 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.

19th. Jan., 2001	SUMIDA CODE	4712	
CHK.	CHK.	DRG.	DRG. NO. 2/5
CHEN WEIMING	HUANG DONGRONG	ZHONG ZIJIAN R	S-074-6109

GENERAL CHARACTERISTICS

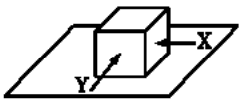
TYPE CEP125

1. STORAGE TEMPERATURE RANGE : -40℃～+100℃

2. OPERATING TEMPERATURE RANGE : -40℃～+100℃ (COIL CONTAIN HEAT)

3. EXTERNAL APPEARANCE : ON VISUAL INSPECTION, THE COIL HAS NO EXTERNAL DEFECTS.

4. TERMINAL STRENGTH : AFTER SOLDERING, BETWEEN COPPER PLATE AND TERMINAL OF COIL, PUSH IN TWO DIRECTIONS OF X, Y WITHSTANDING5.0N FOR 10.0±1 SECONDS. TERMINAL SHOULD NOT PEEL OFF. (REFER TO FIGURE AT RIGHT)



5. HEAT ENDURANCE TEST : REFER TO S-074-5002.

6. INDUCTANCE TEMPERATURE COEFFICIENT: (0～2000)×10^{-6}/℃ (-40℃ ～ +100℃)

7. HUMIDITY TEST : INDUCTANCE DEVIATION WITHIN ± 5.0% AFTER PUTTING THE COIL INTO THE ENVIRONMENT OF 90～95% RELATIVE HUMIDITY AND TEMPERATURE OF 40±2℃ FOR 96 HOURS, THEN DRYING UNDER NORMAL CONDITION FOR 2 HOUR.

8. VIBRATION TEST : INDUCTANCE DEVIATION WITHIN ± 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 ± 3.0% TESTED IN EACH OF THE THREE ORIENTATIONS VERTICALLY FOR 1 TIME AT THE SHOCK ACCELERATION OF 981m/s^2, USING RUBBER BLOCK SHOCK TESTING MACHINE.

19th. Jan., 2001

CHK.	CHK.	DRG.
CHEN WEIMING	HUANG DONGRONG	ZHONG ZIJIAN R

DRG. NO. 3/5

S-074-6109

SPECIFICATION

TYPE
CEP125

ELECTRICAL CHARACTERISTICS-1

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (mΩ) [MAX.] ※2 (at 20℃)	THE SATURATION CURRENT (A) ※3		TEMPERATURE RISE (A) ※4 △T=40℃	SUMIDA CODE
					(at 20℃)	(at 100℃)		
01	CEP125-ØR6NC-D	0R6ND	0.68μH±30%	1.5(1.2) ⚠	20.4	17.6	19.5 ⚠	-0053
02	CEP125-1R5MC-D	1R5MD	1.5μH±20%	2.2(1.8)	14.0	11.8	18.0	-0052

ELECTRICAL CHARACTERISTICS-2

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (mΩ) [MAX.] ※2 (at 20℃)	THE SATURATION CURRENT (A) ※3		TEMPERATURE RISE (A) ※4 △T=40℃	SUMIDA CODE
					(at 20℃)	(at 100℃)		
03	CEP125-ØR4NC-HD	0R4ND	0.47μH±30%	1.5(1.2) ⚠	28.8	25.6	19.5 ⚠	-0053
04	CEP125-1RØMC-HD	1ROMD	1.0μH±20%	2.2(1.8)	20.0	17.4	18.0	-0054

ELECTRICAL CHARACTERISTICS-3

NO.	PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (mΩ) [MAX.] ※2 (at 20℃)	THE SATURATION CURRENT (A) ※3		TEMPERATURE RISE (A) ※4 △T=40℃	SUMIDA CODE
					(at 20℃)	(at 100℃)		
05	CEP125-ØR3NC-UD	0R3ND	0.35μH±30%	1.5(1.2) ⚠	35.0	32.0	19.5 ⚠	-0055
06	CEP125-ØR8NC-UD	0R8ND	0.8μH±30%	2.2(1.8)	25.7	21.8	18.0	-0056

※1 MEASURING CONDITION at 100kHz,1V
※2 D.C.R. ( ) TYPICAL VALUE.
※3 THE SATURATION CURRENT: THIS INDICATES THE VALUE OF D.C. CURRENT WHEN THE INDUCTANCE DECREASES TO 65% (WHILE THE TOLERANCE IS ±30%) OR 75% (WHILE THE TOLERANCE IS ±20%) OF IT'S NOMINAL VALUE.
※4 THE TEMPERATURE RISE: THE VALUE OF D.C. CURRENT WHEN THE TEMPERATURE RISE IS △t=40℃ (Ta=20℃).

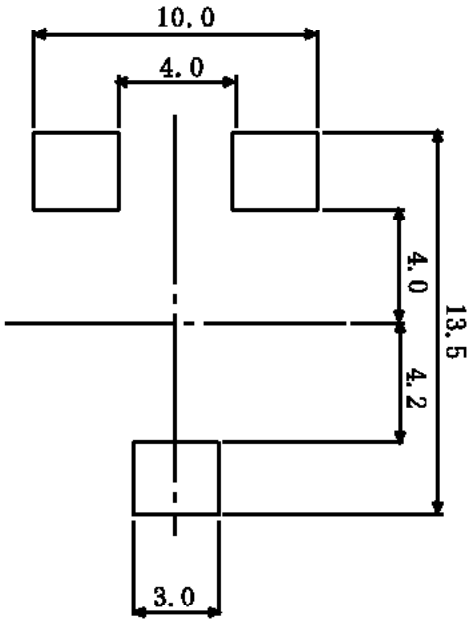
19th. Jan., 2001	SUMIDA CODE	4712	
CHK.	CHK.	DRG.	DRG. NO. 4/5
CHEN WEIMING	HUANG DONGRONG	ZHONG ZIJIAN R	S-074-6109

sumida

SPECIFICATION

TYPE
CEP125

RECOMMENDED DIMENTION OF LAND (mm)



* DIMENSION IS APPROX.

19th. Jan., 2001

CHK.	CHK.	DRG.
CHEN WEIMING	HUANG DONGRONG	ZHONG ZIJIAN R

DRG. NO.	5/5
S-074-6109	

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- Sumida America Components Inc. Information

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- Alternative Solution
- Excess Inventory Management