

		S P E C I F I C A T I O N (R E V I S I O N S)		SUMIDA TYPE P F C 2 2 2 5 B
SYMBOL	DATE	ISSUE No.	REVISIONS	CLIENT

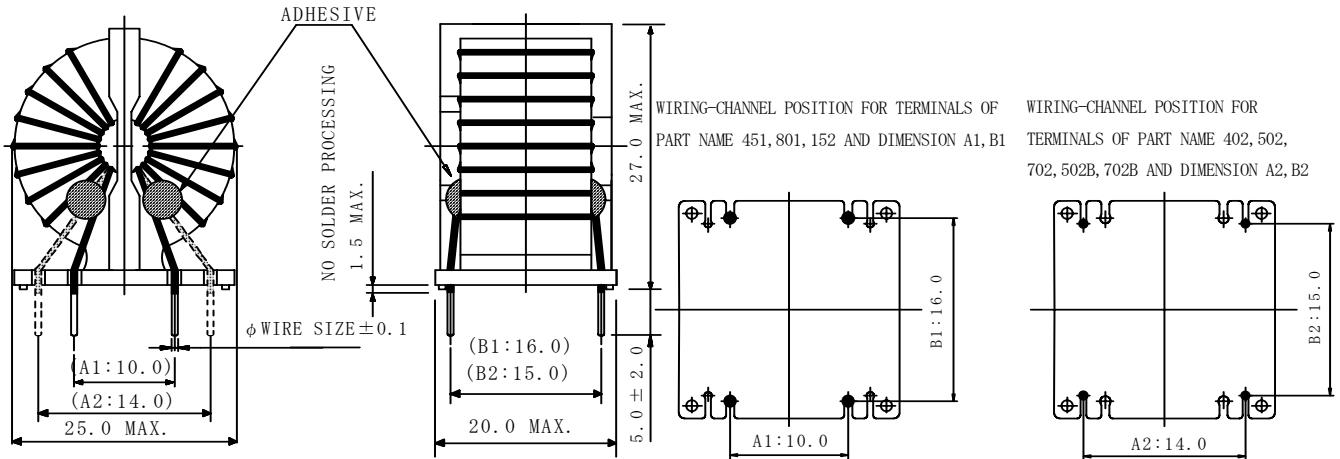
NOTE : THIS SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE FOR IMPROVEMENT. IT IS REQUESTED THAT CONFIRMATION IS MADE WHEN ORDERING.	SPEC. NO. S - 0 7 4 - 6 4 7 0 1 / 5
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S P E C I F I C A T I O N

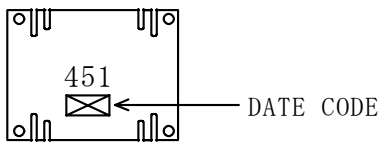
1. SCOPE AND GENERAL STIPULATION
REF. TO S-074-1510.

2. APPEARANCE
2-1. DIMENSION (mm)



* DIMENSION DOES NOT INCLUDE SOLDER USED ON COIL.
* DIMENSIONS WITHOUT TOLERANCE ARE APPROX.

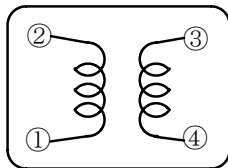
2-2. STAMP (E. G.)



UNFIXED THE POSITION

RoHS
compliance
Cd:Max. 0.01wt%
others:Max. 0.1wt%

3. COIL SPECIFICATION
3-1. CONNECTION (BOTTOM VIEW)



※ WINDING START WITH PIN #1, #4 AND #2, #3.
※ PIN #1 AND PIN #4, PIN #2 AND PIN #3 HAVE THE SAME POLARITY.

MADE: 4 t h , J u n . , 2 0 0 5			PART NAME	REF. TO THE ATTACHED SHEET	
CHK.	CHK.	DRG.	SUMIDA CODE	0 5 3 5 5	
ZHANG HUI	ZENG YUNXIA	FENG NENG LL, ZY	SAMPLE NO.	5355-T003, 5355-T016	SPEC. NO. S - 0 7 4 - 6 4 7 0 2 / 5
			FIRST ISSUE	_____	

SPECIFICATION

SUMIDA TYPE
PFC2225B

3-2. ELECTRICAL CHARACTERISTICS

NO.	PART NO.	STAMP	INDUCTANCE (mH) (1-2) OR (4-3) [MIN.]	INDUCTANCE BALANCE (μ H) [MAX.]	D. C. R. (m Ω) [at20°C] (1-2) OR (4-3) [MAX.]	CURRENT (Arms) (50Hz/60Hz) (1-4)※	SUMIDA CODE
0 1	PFC2225BNP-451	451	0.45	30	8.5	10.0	-0015
0 2	PFC2225BNP-8 \emptyset 1	801	0.8	50	12.5	8.0	-0016
0 3	PFC2225BNP-152	152	1.5	80	26.0	5.0	-0017
0 4	PFC2225BNP-4 \emptyset 2	402	4.0	100	54.0	4.0	-0018
0 5	PFC2225BNP-5 \emptyset 2	502	5.0	150	81.0	3.0	-0019
0 6	PFC2225BNP-7 \emptyset 2	702	7.0	200	135	2.5	-0020
0 7	PFC2225BNP-5 \emptyset 2B	502B	5.0	150	61.0	3.5	-0021
0 8	PFC2225BNP-7 \emptyset 2B	702B	7.0	200	70.0	3.0	-0022

* MEASURING FREQUENCY INDUCTANCE 1kHz, 0.1V

* RATED CURRENT : D.C. CURRENT WHEN TEMPERATURE OF COIL INCREASED UP TO 60°C. (Ta=20°C)

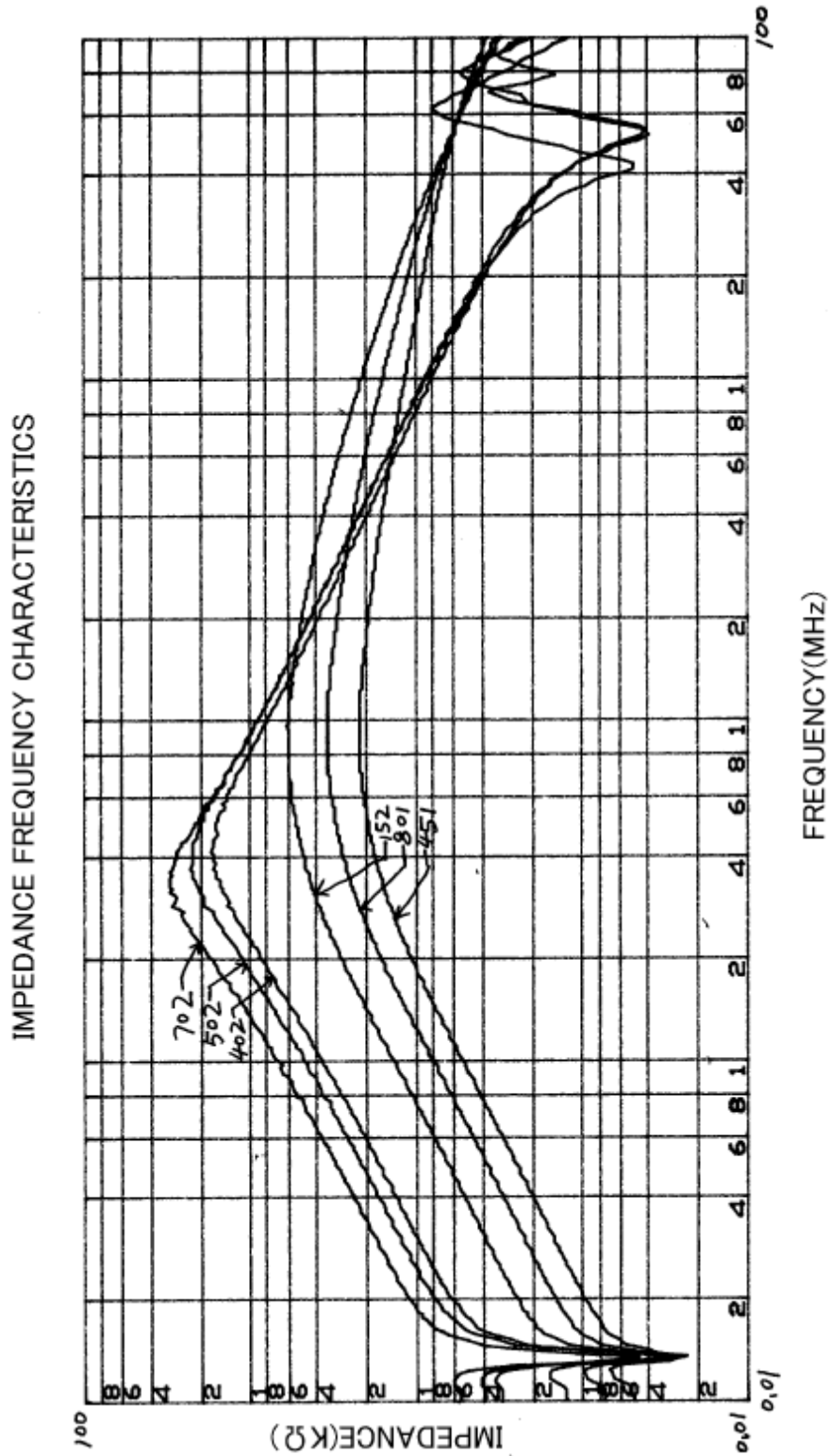
※ TERMINAL #2 AND #3 TO BE SHORTED WHEN TESTING.

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SPECIFICATION

SUMIDA TYPE
PFC2225B

3-3. IMPEDANCE FREQUENCY CHARACTERISTICS



NOTE :

SPEC. NO.

S-074-6470

4/5

SPECIFICATION

SUMIDA TYPE PFC2225B

4. GENERAL CHARACTERISTICS

- 4-1. STORAGE TEMPERATURE RANGE : $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- 4-2. OPERATING TEMPERATURE RANGE : $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ (INCLUDING COIL'S SELF TEMPERATURE RISE)
- 4-3. EXTERNAL APPEARANCE : NO EXTERNAL DEFECTS CAN BE FOUND IN THE VISUAL INSPECTION.
- 4-4. RESISTANCE TO SOLDERING HEAT : NO DISTINGUISHED STRUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND AFTER $1.5 \pm 0.5\text{mm}$ HIGH BOTTOM OF ALL THE TERMINALS ARE IMMERSSED IN THE MELTED SOLDER OF $260 \pm 5^{\circ}\text{C}$ FOR 10 ± 1 SECONDS.
- 4-5. INSULATING RESISTANCE: THE INSULATION RESISTANCE SHOULD BE OVER $100\text{M}\Omega$ WHEN 500V DC IS APPLIED TO COIL-CORE.
- 4-6. VIBRATION TEST : INDUCTANCE DEVIATION IS WITHIN $\pm 3.0\%$ AFTER 1 HOUR SWEEPING VIBRATION IN EACH THREE DIRECTIONS, NAMELY, FORWARD AND BACKWARD, UP AND DOWN, RIGHT AND LEFT. THE FREQUENCY IS $10 \sim 55 \sim 10\text{Hz}$ AND THE AMPLITUDE OF 1 MINUTE CYCLE IS 1.5mm PP .
- 4-7. SHOCK TEST : INDUCTANCE DEVIATION IS WITHIN $\pm 3.0\%$ AFTER THE TEST WITH GUM-BLOCK SHOCK TESTING MACHINE, ONCE IN EACH OF THE THREE PERPENDICULAR AXIS DIRECTIONS. THE SHOCK ACCELERATION IS 981m/s^2 .
- 4-8. HUMIDITY TEST : INDUCTANCE DEVIATION IS WITHIN $\pm 5.0\%$ AND NO STRUCTURE AND ELECTRIC DEFECTS CAN BE FOUND AFTER 96 ± 4 HOURS TEST UNDER THE CONDITION OF RELATIVE HUMIDITY OF $90 \sim 95\%$ AND TEMPERATURE OF $40 \pm 2^{\circ}\text{C}$, AND 1 HOUR STORAGE UNDER ROOM AMBIENT CONDITIONS AFTER THE DEVICE IS WIPED WITH DRY CLOTH.

5. NOTE

* NO INVESTIGATION SHALL BE NEEDED IF THERE IS ANY TERMINAL BENDING WHEN SUPPLYING.

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