

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Sumida Corporation](#)

[PFC2225BNP-451](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

		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

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## SPECIFICATION

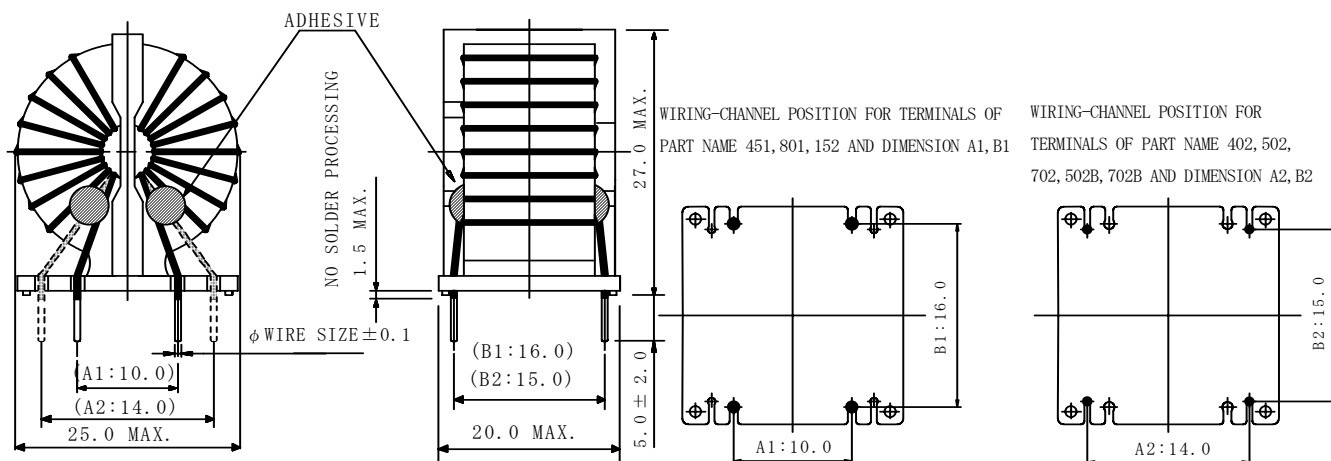
SUMIDA TYPE  
PFC2225B

### 1. SCOPE AND GENERAL STIPULATION

REF. TO S-074-1510.

### 2. APPEARANCE

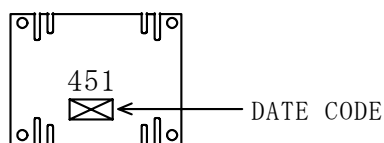
#### 2-1. DIMENSION (mm)



\* DIMENSION DOES NOT INCLUDE SOLDER USED ON COIL.

\* DIMENSIONS WITHOUT TOLERANCE ARE APPROX.

#### 2-2. STAMP (E. G.)



UNFIXED THE POSITION

**RoHS**

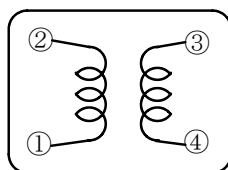
compliance

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. <b>S - 0 7 4 - 6 4 7 0</b> 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 ( $\mu$ H) [MAX. ]	D. C. R. (m $\Omega$ ) [at20°C] (1-2) OR (4-3) [MAX. ]	CURRENT (Arms) (50Hz/60Hz) (1-4)※	SUMIDA CODE
0 1	PFC2225BNP-451	451	0. 4 5	3 0	8. 5	1 0. 0	-0015
0 2	PFC2225BNP-801	801	0. 8	5 0	1 2. 5	8. 0	-0016
0 3	PFC2225BNP-152	152	1. 5	8 0	2 6. 0	5. 0	-0017
0 4	PFC2225BNP-402	402	4. 0	1 0 0	5 4. 0	4. 0	-0018
0 5	PFC2225BNP-502	502	5. 0	1 5 0	8 1. 0	3. 0	-0019
0 6	PFC2225BNP-702	702	7. 0	2 0 0	1 3 5	2. 5	-0020
0 7	PFC2225BNP-502B	502B	5. 0	1 5 0	6 1. 0	3. 5	-0021
0 8	PFC2225BNP-702B	702B	7. 0	2 0 0	7 0. 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.

NOTE :

SPEC. NO.

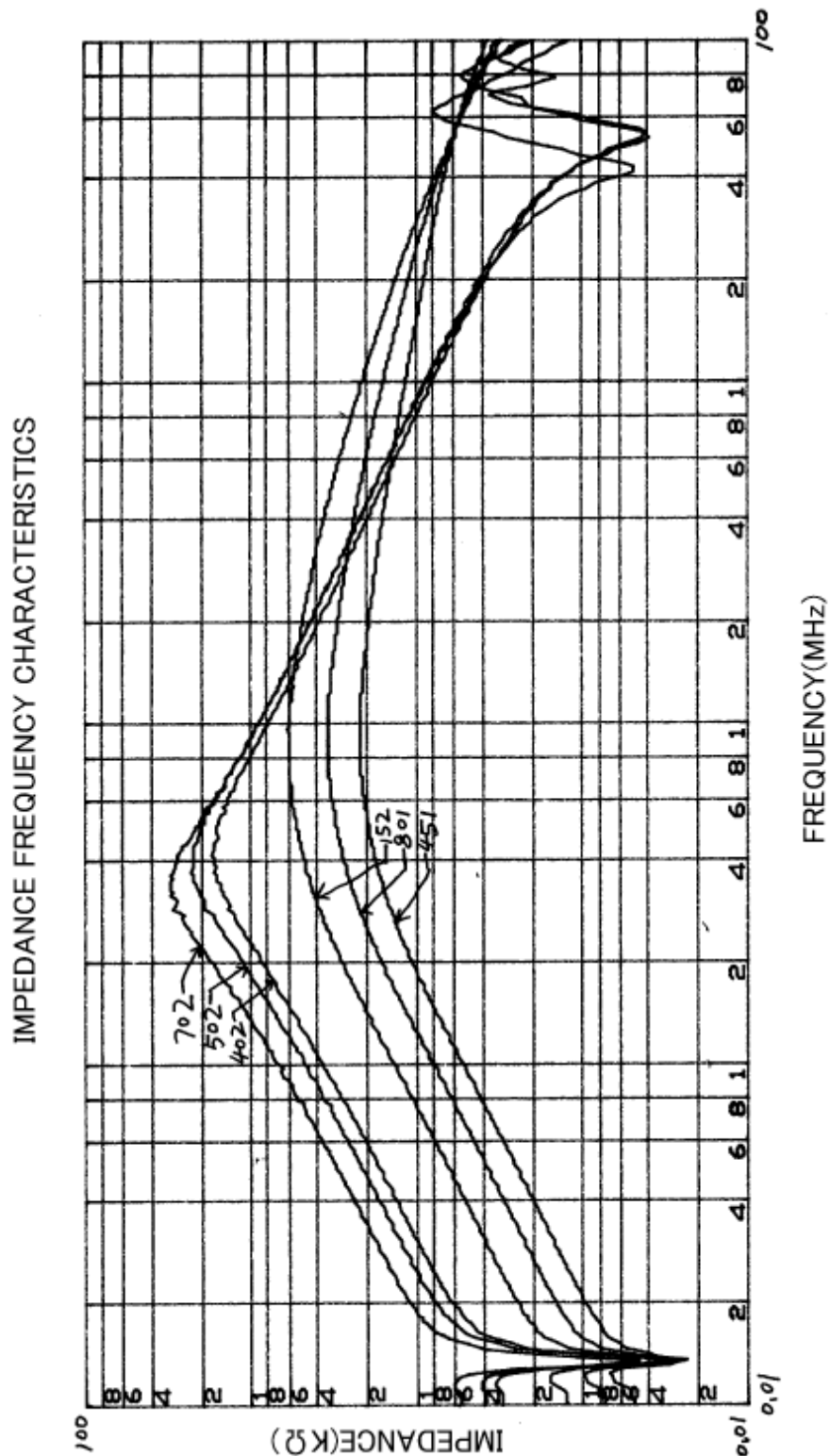
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## SPECIFICATION

SUMIDA TYPE  
PFC2225B

### 3-3. IMPEDANCE FREQUENCY CHARACTERISTICS



NOTE :

SPEC. NO.

S-074-6470

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## SPECIFICATION

SUMIDA TYPE PFC2225B
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### 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 IMMersed IN THE MELTED SOLDER OF  $260 \pm 5^{\circ}\text{C}$  FOR  $10 \pm 1$  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  $1.5\text{mm PP}$ .

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  $981\text{m/s}^2$ .

4-8. HUMIDITY TEST : INDUCTANCE DEVIATION IS WITHIN  $\pm 5.0\%$  AND NO STRUCTURE AND ELECTRIC DEFECTS CAN BE FOUND AFTER  $96 \pm 4$  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.

NOTE :

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