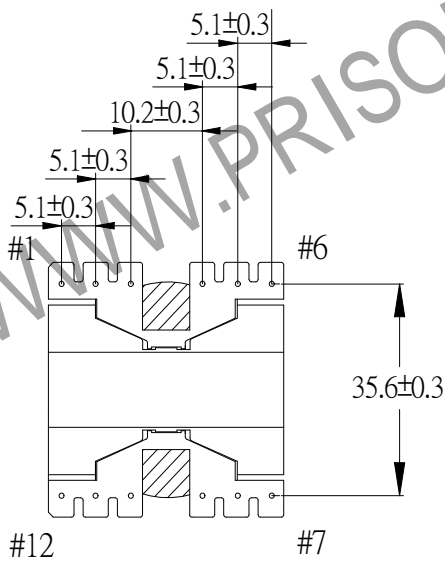
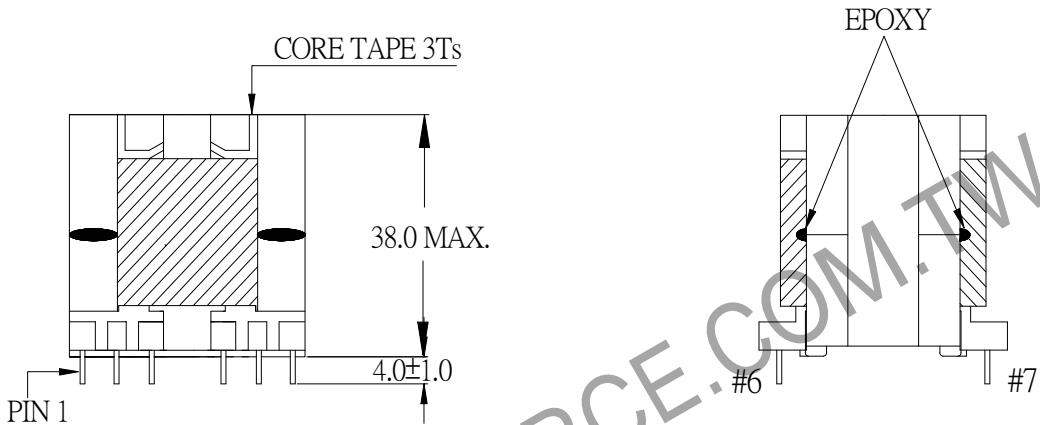
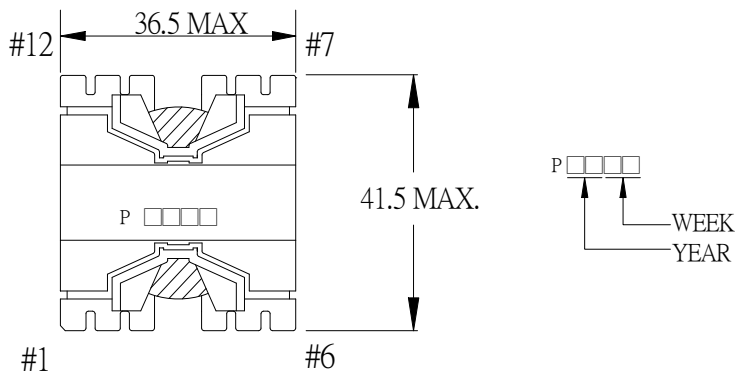


1. MECHANICAL & ASSEMBLY :



NOTE:

1. EPOXY FIXED BETWEEN CORE & CORE (TTL:4 POINTS) EPOXY FIXED TOP OF BOBBIN & CORE.(ONE POINT).

UNIT : mm

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			PART NO : 54P-15097	REV NO.	
			ISSUE NO :	PAGE	4 - 1

## 2. WINDING CONFIGURATION :

STEP	WINDING	MARGIN TAPE	START-FINISH	COPPER WIRE	TURNS	LAYER TAPE	TUBE	METHOD
1	A	2.5/2.5mm×2Ts	1 - 3	0.12φ/35	17	3Ts		CLOSE SPACE
2	C	2.5/2.5mm×6Ts	8 - 10	0.12φ/80	11	3Ts		CLOSE SPACE
3	B	2.5/2.5mm×2Ts	4 - 6	0.12φ/35	17	3Ts		CLOSE SPACE
4	D	2.5/2.5mm×6Ts	9 - 11	0.12φ/80	11	3Ts		CLOSE SPACE

NOTE:

## 3. ELECTRICAL CHARACTERISTICS :

PIN NO.	INDUCTANCE 1.0 KHz, 1.0Vrms	LEAKAGE INDUCTANCE 100KHz, 1.0Vrms	VOLTAGE RATIO(V) f= 20KHz	DCR MAX AT 25°C
1 - 6	256.0uH±10%	3.0uH MAX	INPUT 1 Vrms	
1 - 3			0.4910Vrms±4.0%	53.0 mΩ.
8 - 10		SHORT	0.3223Vrms±4.0%	18.0 mΩ.
4 - 6			0.5084Vrms±3.0%	72.0 mΩ.
9 - 11		SHORT	0.3283Vrms±4.0%	23.0 mΩ.
3 - 4	SHORT	SHORT		

HI-POT TEST : (AT 1.0 mA, 2 SEC)

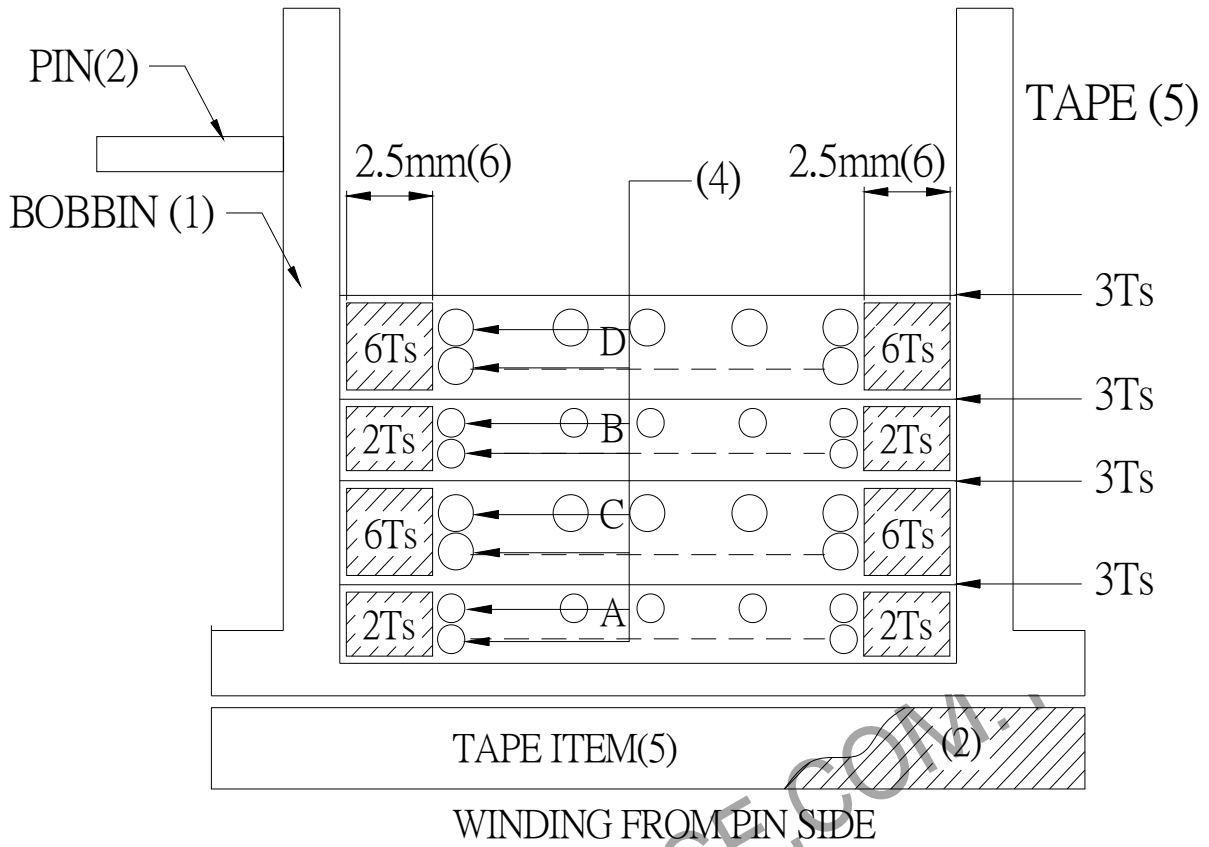
PRI. TO SEC 2640 VAC  
 SEC. TO CORE 2640 VAC  
 PRI. TO CORE 2640 VAC

INSULATION RESISTANCE: (AT DC 500V)

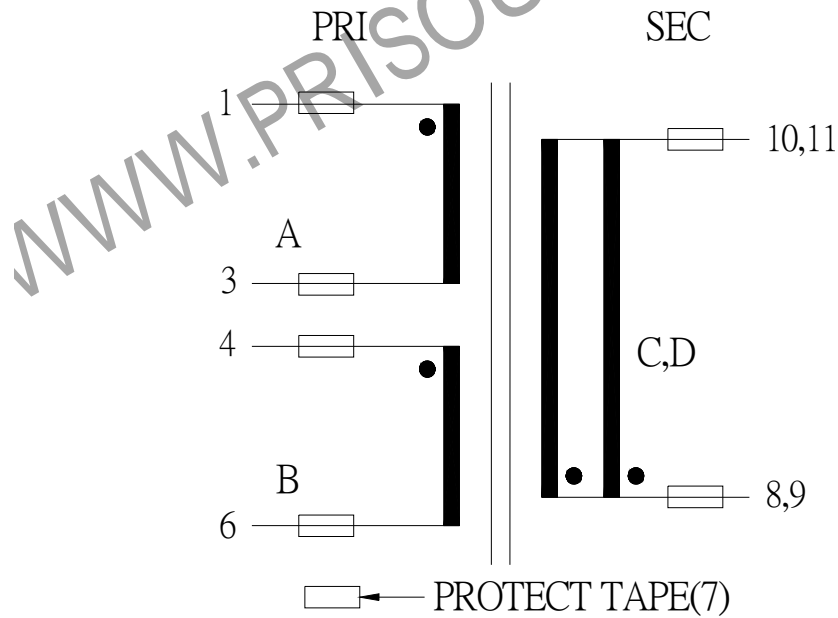
PRI TO SEC 100 MΩ MIN.  
 PRI TO CORE 100 MΩ MIN.  
 SEC TO CORE 100 MΩ MIN.

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#### 4. WINDING SEQUENCE:



#### 5. SCHEMATIC:



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## 6. MATERIAL LIST :

NO.	DESCRIPTION	ITEM	MATERIAL	LIST OF SAMPLE	UL NO.	MANUFACTURER
1	BOBBIN	(1)	PHENOLIC (PM9820) Thickness:0.30mm Min.	✓	E41429	SUMITOMO
2	PIN	(2)	TINNED C.P WIRE φ 1.0	✓		WELL FORE
3	CORE	(3)	FERRITE CORE PQ3535 TP4A	✓		TDG
4	COPPER WIRE	(4)	POLYURETHANE (2UEW) TYPU-130 MW75C	✓	E197768	HENG YA
5	MYLAR TAPE	(5)	POLYESTER FILM #1318-1 (Y)	✓	E17385	3M
6	MARGIN TAPE	(6)	COMPOSITE FILM #44T-A	✓	E17385	3M
7	PROTECT TAPE	(7)	COMPOSITE FILM #44-A	✓	E17385	3M
8	ADHESIVE		6020H	✓	E229633	WELLS
9	VARNISH		TVB2180T	✓	E83702	KYOCERA

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7. TEST DATA :

SPEC		SAMPLE NO:	1	2	3	4	5
A	INDUCTANCE : (AT 1 KHz, 1.0 V) 3-4 SHORT						
	( 1 - 6 ) = 256.0uH ±10%		255.8	255.2			
B	LEAKAGE INDUCTANCE: (AT 100 KHz, 1.0 V) S-ALL SHORT, 3-4 SHORT						
	( 1 - 6 ) = 3.0uH MAX		2.36	2.31			
C	VOLTAGE RATIO :( AT F=20 KHz) (1 - 6) INPUT 1 Vrms						
	( 1 - 3 )=0.4910Vrms±4.0%		0.4913	0.4908			
	( 8 - 10 )=0.3223Vrms±4.0%		0.3222	0.3225			
	( 4 - 6 )=0.5084Vrms±3.0%		0.5081	0.5087			
	( 9 - 11 )=0.3283Vrms±4.0%		0.3287	0.3279			
D	DCR : (AT 25 °C )						
	(1 - 3) = 53.0 mΩ MAX.		44.7	44.1			
	(8 - 10) = 18.0 mΩ MAX.		14.7	14.6			
	(4 - 6) = 72.0 mΩ MAX.		59.6	59.1			
	(9 - 11) = 23.0 mΩ MAX.		18.9	18.8			
E	HI-POT TEST : (AT 1 mA, 2 SEC.)						
	PRI TO SEC	2640 VAC	OK	OK			
	PRI TO CORE	2640 VAC	OK	OK			
	SEC TO CORE	2640 VAC	OK	OK			
F	INSULATION RESISTANCE :(AT DC500V)						
	PRI TO SEC	> 100 MΩ	OK	OK			
	PRI TO CORE	> 100 MΩ	OK	OK			
	SEC TO CORE	> 100 MΩ	OK	OK			

TEST EQUIPEMENT :

- CHEN HWA CWV-902 WITH STANDING VOLTAGE TESTER
- CHEN HWA 301A CURRENT SOURCE & DC RESISTANCE METER
- CHEN HWA 310 TURNS RATION & PHASE DETECTOR
- HP 4284A LCR METER
- HP 34401A MULTIMETER
- CHEN HWA 1062 LCZ METER
- CHEN HWA 705 IR METER

REPORT BY	CHECK BY	APPROVED BY	CUSTOMER : HIT/高砂	DATE	OCT.29.15'
			PART NO : PT-5025	REV NO.	A
			ISSUE NO : 54P-15097	PAGE	7 - 5

# 材 料 證 明 書

SUBJECT : CERTIFICATION OF MATERIALS

注文者住所

TEL : \_\_\_\_\_

FAX : \_\_\_\_\_

DATE : 2015 - 10 - 29

日付 : Year      Month      Day

納入者名 (SUPPLIER)

元博電子股份有限公司

PRISOURCE ELECTRONICS CO.,LTD.

台灣省桃園縣中壢市中山路 88 號 18F

18F,NO.88,Shung Shan RD., Chung Li City,

Tao Yuan County Taiwan (R.O.C.)

部品番號 : PT-5025

PART No.

部品名稱 : TRANSFORMER

NAME OF COMPONENT

作 番 : \_\_\_\_\_

注 番 : \_\_\_\_\_

數 量 : \_\_\_\_\_

PRODUCTION No.

ORDER NO.

QUANTITY

構成部品 COMPONENT	材質名及び 型名 MATERIAL GENERIC NAME & TYPE No.	材料製造者名 MANUFACTURER OF MATERIAL	UL 難燃性 UL FLAM CLASS	UL ファイル UL FILE No.
BOBBIN	PHENOLIC(PM9820) Thickness:0.30mm Min.	SUMITOMO BAKELITE CO.,LTD	94V-0	E41429
WIRE	POLYURETHANE (2UEW)	HENG YA ELECTRIC WIRE & CABLE CO.,LTD.		E197768
TAPE	POLYESTER FILM #1318-1	3M COMPANY		E17385
	COMPOSITE FILM #44T-A ,#44-A	3M COMPANY		E17385
EPOXY	6020H	WELLS ELECTRONIC MATERIAL (GUAN GZHOU)CO.,LTD		E229633
VARNISH	TVB2180T	KYOCERA CHEMICAL CORP		E83702

上記構成部品の材料は、上記表の通りである事を証明します。

We certify that each material of above parts is properly employed such as above table.

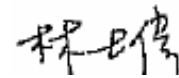
署名

品質管理課長又は検査課長

By the chief of quality control

Or inspection section

Signature



活字名

Print name

役職名

Title The chief of quality control

REV: A

# CERTIFICATION OF WITHSTAND VOLTAGE TEST

To: HIT/高砂

1. PRODDUCT NAME TRANSFORMER  
PART NO. PT-5025

LOT No. \_\_\_\_\_

2. DATE OF TEST 2015.10.29

3. TEST ITEM WITHSTAND VOLTAGE TEST

PRI. - SEC

AC 2640 V

PRI. - CORE

AC 2640V

SEC. - CORE

AC 2640V

No Breakdown for

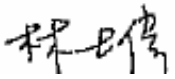

2 sec. each

(CUT OFF CURRENT 1 mA)

4. TESST QUANTITY AND RESULT

Regarding this lot, we guarantee that all quantities are acceptable as a result of the ALL Quantity Test under the above mentioned condition.

5. MANUFACTURER PRISOURCE ELECTRONICS CO., LTD

APPROVED	CHEKED
	

# CERTIFICATION

To: HIT/高砂

PRODUCT NAME TRANSFORMER

PART NO. PT-5025

LOT No. \_\_\_\_\_

\* We guarantee that all products or parts that our company has delivered do not contain the chemical substances listed below

- 1.Cadmium and it's compounds
- 2.Lead and it's compounds
- 3.Hexavalent chromium compounds
- 4.Mercury and it's compounds
- 5.Ozone-depleting substances(CFC,HCFC)
- 6.Specified bromine-based flame retardants(PBB,PBDE)

\* Correspond to RoHS

MANUFACTURER PRISOURCE ELECTRONICS CO., LTD

APPROVED	CHEKED
