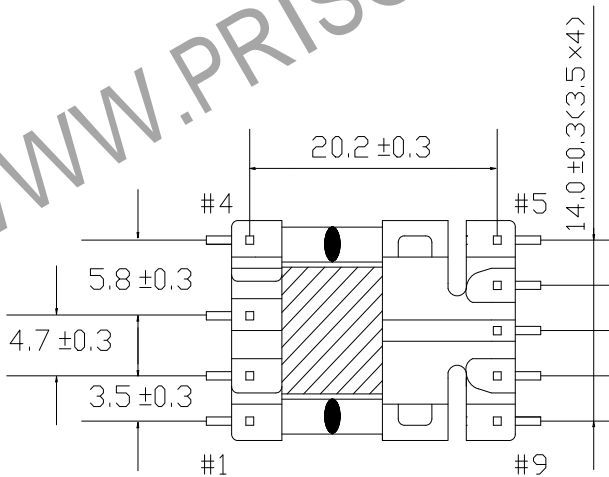
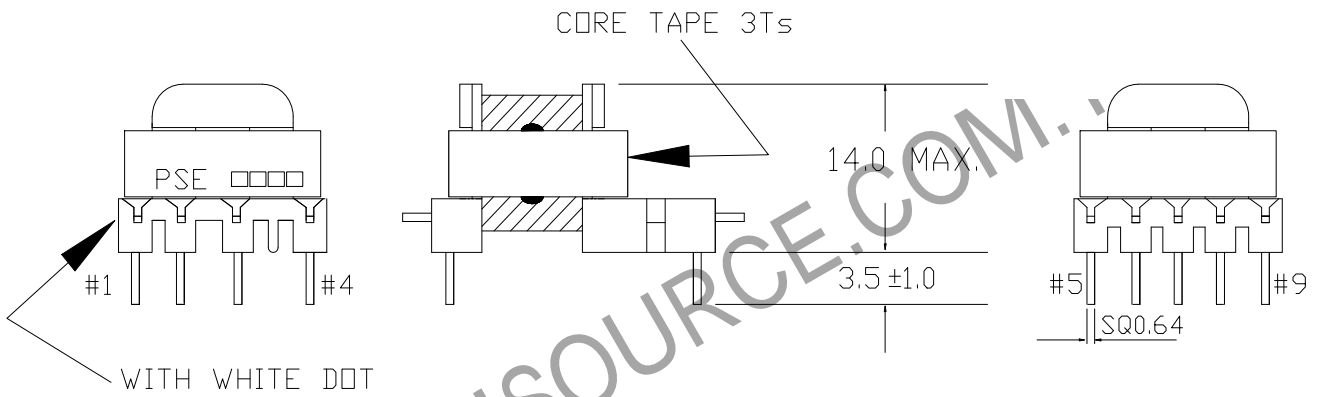
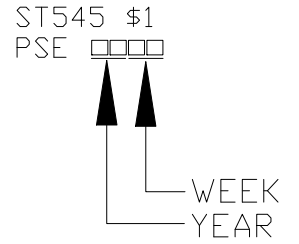
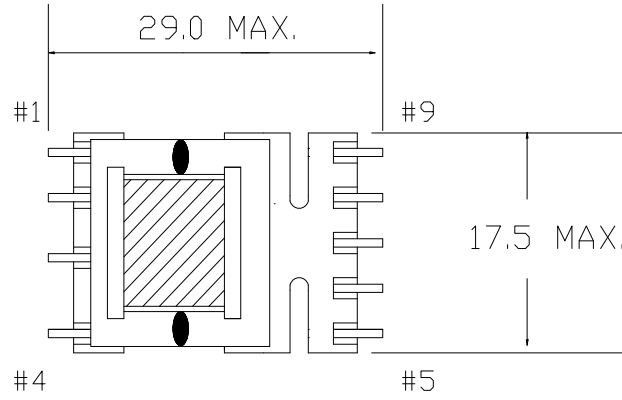


# 1. MECHANICAL & ASSEMBLY :



## NOTE:

1. EPOXY FIXED BETWEEN CORE & CORE (TTL:4 POINTS). EPOXY FIXED OF BOBBIN & CORE.(ONE POINT AT PIN1-4 SIDE).
2. PIN 1 WITH WHITE DOT

NIT:mm

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## 2. WINDING CONFIGURATION :

STEP	WINDING	MARGIN TAPE	START-FINISH	COPPER WIRE	TURNS	LAYER TAPE	TUBE	METHOD
1						1T		
2	P3	3.5mm/1.0mm×1T	5 - 9	0.16φ	2	3Ts		SPACE
3	P1	3.5mm/1.0mm×3Ts	6 - 7	0.16φ	20	4Ts	#28	BIFILAR, CLOSE
4	P2		7 - 8	0.16φ	20			
5	S1	1.0mm/3.5mm×1T	3 - 2	0.16φ	9	2Ts		CLOSE
6	S2	1.0mm/3.5mm×1T	2 - 1	0.16φ	9	2Ts	#28	CLOSE

NOTE:

## 3. ELECTRICAL CHARACTERISTICS :

PIN NO.	INDUCTANCE 1.0 KHz, 1.0Vrms	LEAKAGE INDUCTANCE KHz, Vrms	VOLTAGE RATIO(V) F= 20KHz	DCR MAX. AT 25°C
6 - 8	400.0uH±15%		INPUT 1Vrms	1.30 Ω
5 - 9			0.0490Vrms±7.0%	85.5mΩ
6 - 7			0.5005Vrms±3.0%	0.65 Ω
7 - 8			0.4997Vrms±4.0%	0.65 Ω
3 - 2			0.2185Vrms±4.0%	0.35 Ω
2 - 1			0.2188Vrms±4.0%	0.35 Ω

HI-POT TEST : ( AT 1 mA , 1 SEC. )

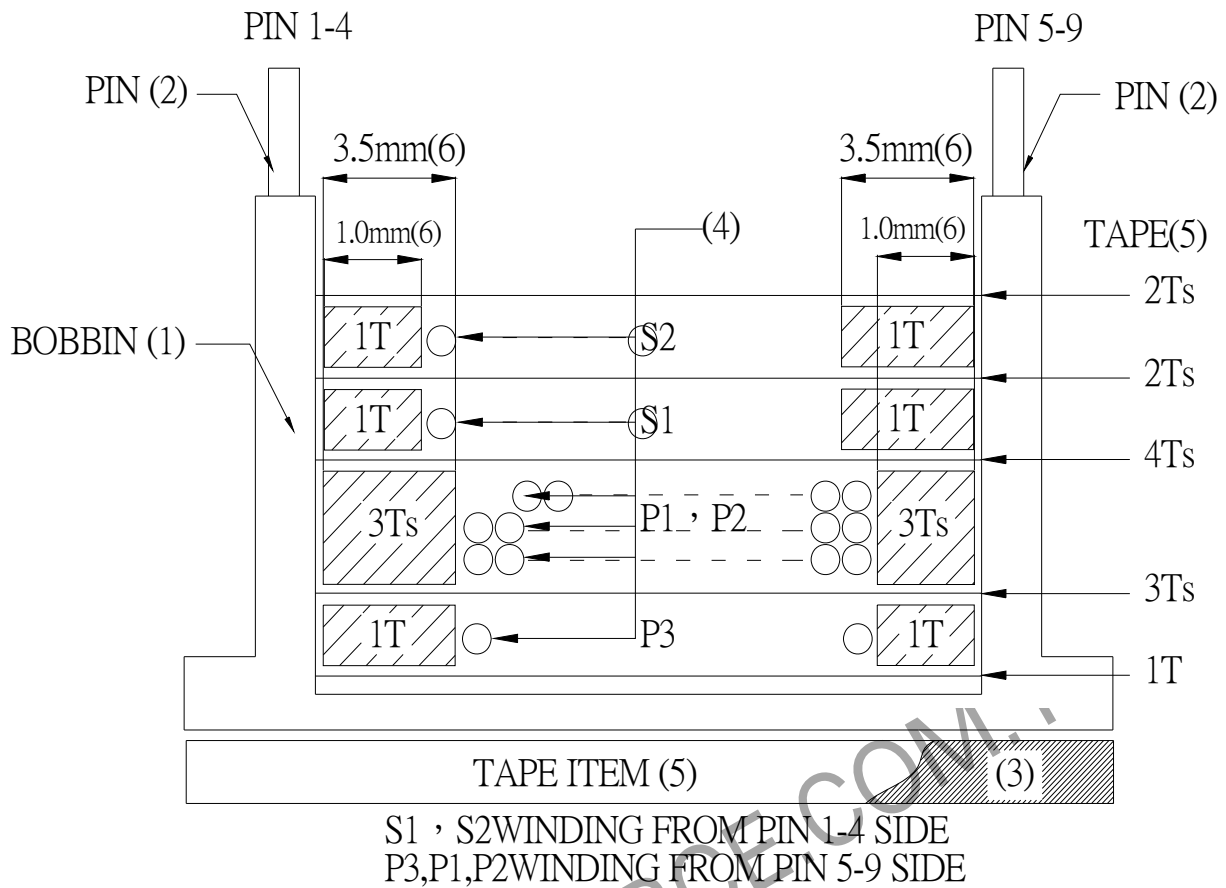
PRI. TO SEC. 3600 VAC  
PRI,SEC TO CORE. 1800 VAC

INSULATION RESISTANCE:

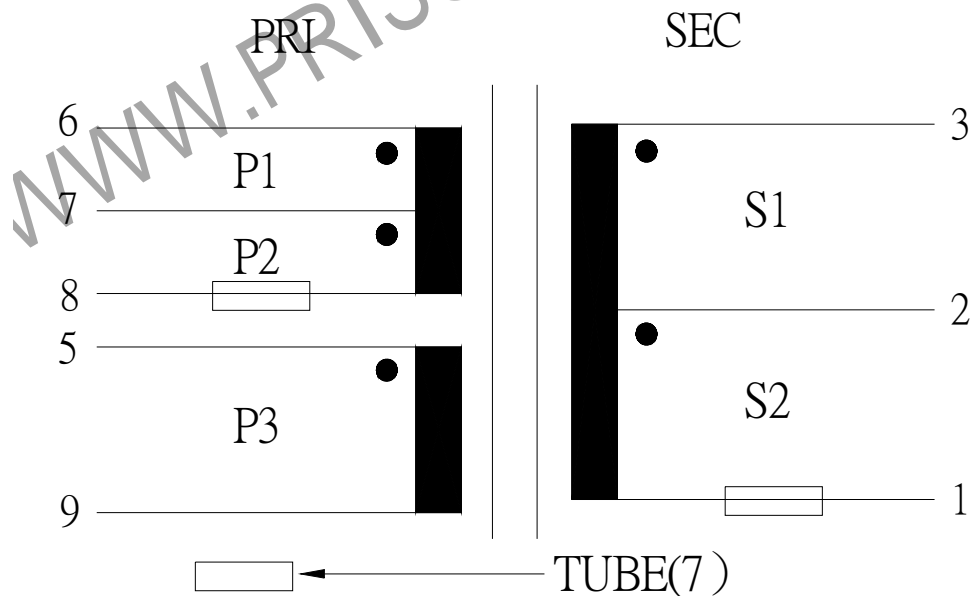
PRI. TO SEC. 100 MΩ ≧ . (AT DC 1000V)  
PRI,SEC TO CORE. 100 MΩ ≧ . (AT DC 500V)

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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. FX-1651	✓	E41429	SUMITOMO FuXiang
2	PIN	(2)	TINNED C.P WIRE □0.64	✓		WELL FORE
3	CORE	(3)	FERRITE CORE  EE16A TP4	✓		TDG
4	COPPER WIRE	(4)	POLYURETHANE(1UEW) TYPYU-130 MW75-C	✓	E197768	HENG YA
5	MYLAR TAPE	(5)	POLYESTER FILM #1318Y-1	✓	E17385	3M
6	MARGIN TAPE	(6)	COMPOSITE FILM #44D-A	✓	E17385	3M
7	TUBE	(7)	TEFLON TUBE TFL	✓	E156256	GREAT HOLDING
8	EPOXY		6020H	✓	E229633	WELLS
9	VARNISH		TVB2180T	✓	E83702	KYOCERA

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# 材 料 證 明 書

SUBJECT : CERTIFICATION OF MATERIALS

注文者住所

TEL:

FAX:

DATE : 2017 - 08 - 19

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,Chung Shan RD.,Chung Li City

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

部品番號 : 63-94-5780(ST-545)

部品名稱 : TRANSFORMER

PART No.

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 (1UEW) TYPU-130 MW75-C	HENG YA ELECTRIC WIRE&CABLE CO.,LTD		E197768
TAPE	POLYESTER FILM #1318Y-1 #44D-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ことを証明します。

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

品質管理課長又は検査課長

By the chief of quality control  
Or inspection section

REV: A

署名

Signature

活字名

Print name 陳建男

役職名

Title The chief of quality control

# CERTIFICATION OF WITHSTAND VOLTAGE TEST

To: 菊水電子工業(株)

1. PRODUCT NAME TRANSFORMER  
PART NO. 63-94-5780(ST-545) LOT No. \_\_\_\_\_

2. DATE OF TEST 2017.08.19

3. TEST ITEM WITHSTAND VOLTAGE TEST

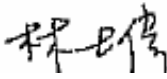

PRI. TO SEC  
AC 3600 VAC  
PRI, SEC TO CORE  
AC 1800 VAC

No Breakdown for  
1sec. each  
(CUT OFF CURRENT 1 mA)

4. TEST 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	CHECK
	

# CERTIFICATION

To: 菊水電子工業(株)

PRODUCT NAME TRANSFORMER

PART NO. 63-94-5780(ST-545)

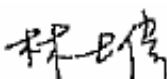

LOT No. \_\_\_\_\_

**\* 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

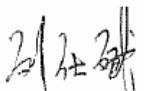

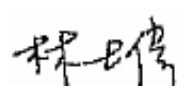
MANUFACTURER PRISOURCE ELECTRONICS CO., LTD

APPROVED	CHECK
	

# DEVIATION FORM

<p>ORIGINAL SPEC:</p> <p>1. MECHANICAL &amp; ASSEMBLY :</p> <p>Width : 23.5 MAX</p> <p>High : 13.5 MAX</p>	<p>SUGGEST SPEC:</p> <p>1. MECHANICAL &amp; ASSEMBLY :</p> <p>Width : 29.0 MAX</p> <p>High : 14.0 MAX</p>
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WWW.PRISOURCE.COM

REPORT BY	CHECK BY	APPROVED BY	CUSTOMER : 菊水電子工業(株)	DATE	AUG.19.17'
			PART NO : 63-94-5780(ST-545)	REV NO.	A
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