



# TRANSFORMER FOR APPROVAL

## X-ON Electronic

---

APPROVED		SIGNATURE	

PARTS NO : XON 5-110/2-9/2

CORE SIZE : EI-41

APPLIANCE NO : \_\_\_\_\_

DESIGN NO: YN99040

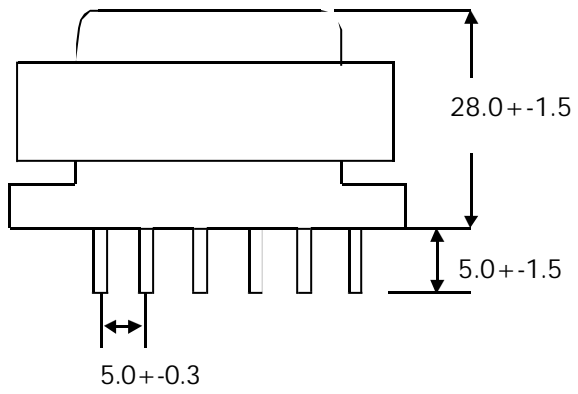
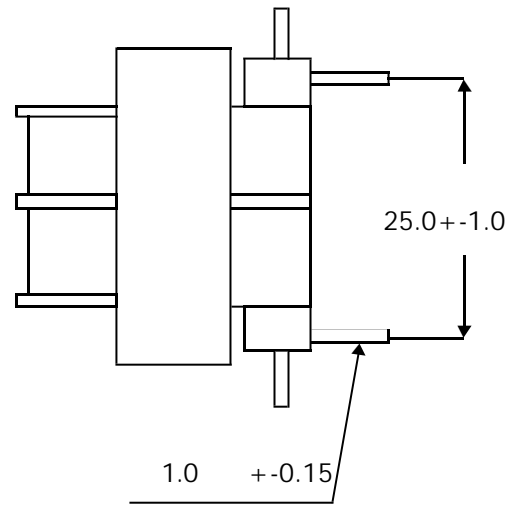
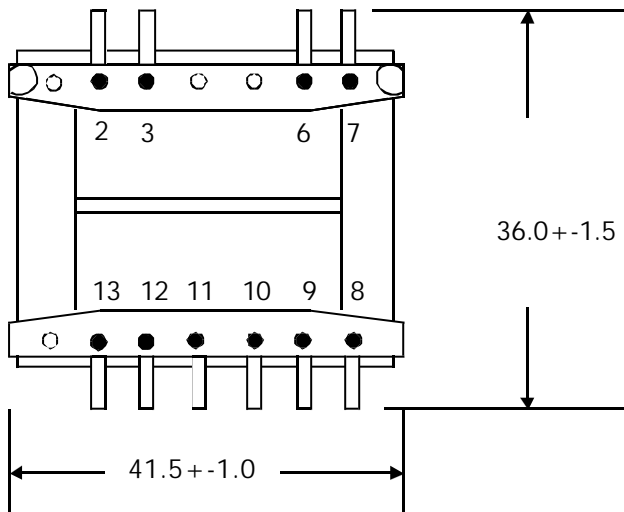
STANDARD : \_\_\_\_\_

DATE : 2005.01.18

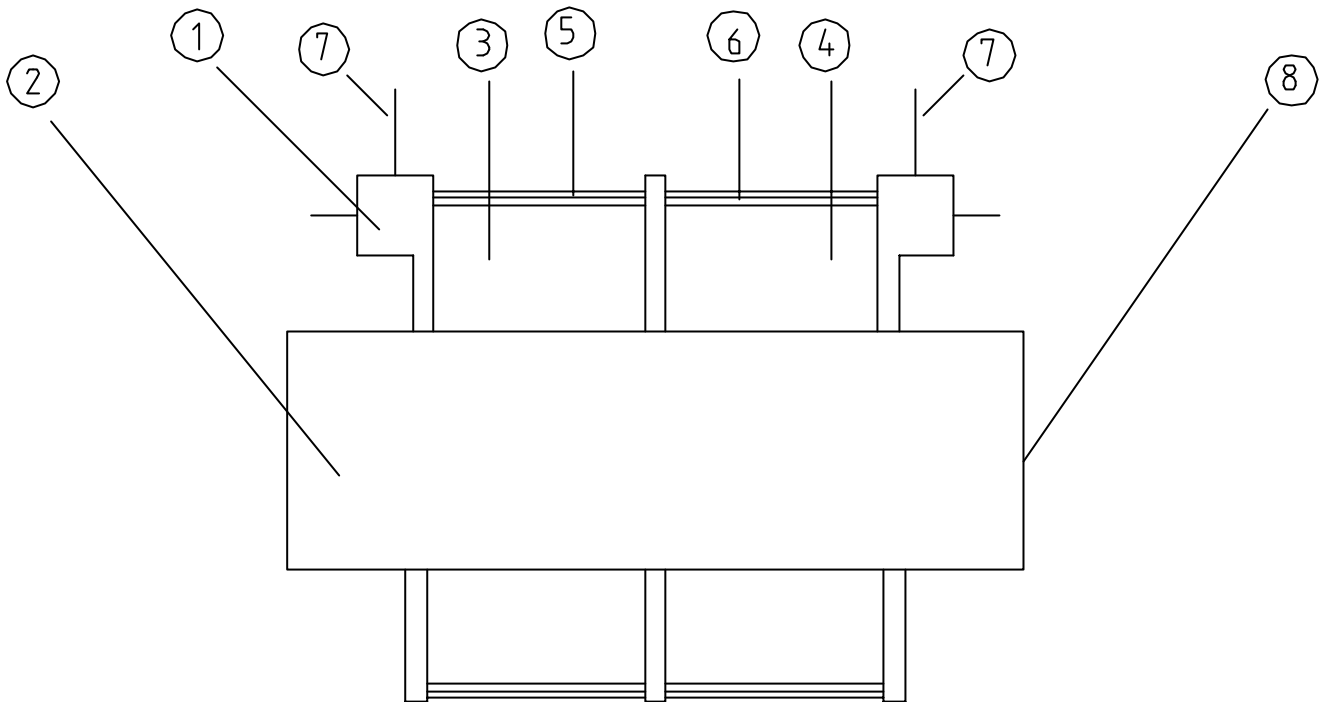
Dimension: Unit in mm

P/N: XON 5/110/2-9/2

D/N: YN99040



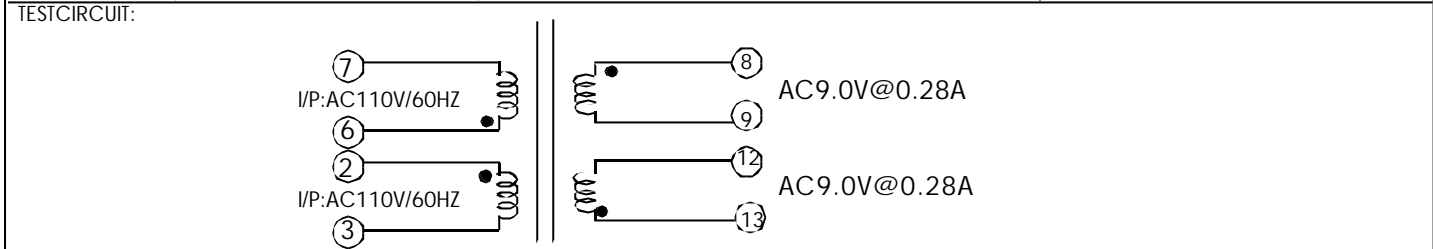
# Construction Specification



No.	Description	Material	Thickness
1	Bobbin	66Nylon Cat No.#101 66N/GF, or Equi.	0.70mm Min.
2	Core	Silicon Steel Sheet	0.35/0.50mm
3	Primary Winding	Polyurethane Enamelled Copper Wire	
4	Secondary Winding	Polyurethane Enamelled Copper Wire	
5	Primary Over-All Insulation	Polyester Film Adhesive Tape	0.05mmx3T
6	Secondary Over-All Insulation	Polyester Film Adhesive Tape	0.05mmx3T
7	Terminal Pin	Copper Pin	0.8mm Min.
8	Mylar Tape	Polyester Film Adhesive	0.05mmx2T

TO : XON CORP. Design: Nos. YN99040

Commodity: Power Transformer | Parts Nos. XON 5-110/2-9/2 | Appliance Nos.



Terminal No.	0	1	2	3	4	5	6	7	8	9				
Color														
Length														

Strip & Tin: PINTYPE

Wire Size:

2. Looking. In general, do not make rust, crack and twist  
 3. Strain Relief. Shall withstand a force of 1.0 Kgs for 30 seconds.  
 4. Electrical Characteristic.

4.1 Primary rated voltage and rated frequency: 110 V \* 2 AC / , 60 Hz  
 4.2 Secondary Output Voltage : As following

Lead No or color	Rated Voltage	Rated Current	Voltage Regulation	No Load Voltage
(8-9)	AC 9.0V + -5%	AC 0.28A		AC 11.2V + -5%
(12-13)	AC 9.0V + -5%	AC 0.28A		AC 11.2V + -5%

4.3 Secondary Voltage unbalance: Less than % at secondary unloaded  
 4.4 Primary No Load current: Less than 50 MA at Primary 110VAC / 60 HZ  
 4.5 Primary Rated current: MA MAX At Primary 110 V / 60 HZ and Sec. Rated.  
 4.6 Dielectric Strength. Shall withstand without breakdown, 1) AC 1500V 50/60HZ FOR 1 Minute between Primary to Secondary to core. 2) AC 600V 50/60HZ for 1 Minute between secondary. to Secondary, to core.. An alternative 10% higher may be applied for 1 second.  
 4.7 Induced Voltage Test (Short Turns Test) Shall withstand without breakdown for 15 seconds 400HZ 220V  
 4.8 Insulation Resistance: Larger than 100 Megohms for DC 500V between Winding, to winding, core.  
 4.9 Temperature Rise: Less than 65 Degree for rated test, resistance method.  
 4.10 Heat Test: 5 hours in 90 Degree Ambient temperature. After, shall Withstand 4.6 and larger than 10 Megohms.  
 4.11 Humidity Test: 6 Hours in 40 Degree Ambient temperature at 95% RH. After, Shall withstand item 4.6 and larger than 5 Megohms.  
 4.12 Others.  
 4.13 Adequate Standard:  
 5. Core Size: E1-41  
 6. Impregnation: Varnish

Designed By: \_\_\_\_\_ Review By: \_\_\_\_\_