

# PU series flat type isolation transformer

**YHDC**®  
1992

Model:PU3009B

## Characteristics:

1. Vacuum epoxy resin encapsulated, 100°C / 6 hours high temperature aging, long working life 20 years and with high dielectric strength.
2. High quality Z11 silicon steel sheet, low temperature rise, high efficiency.
3. PBT engineering plastic, environmental protection, flame retardant, no deformation at 120°C
4. Reasonable structure, convenient installation, low noise, strong seismic, sealed waterproof, moisture-proof



## Technical index:

Mounting type: PCB

Flame resistance : UL94-V0

Insulation class: B

Operation temperature: -30°C ~ +70°C

Work frequency: 50Hz ~ 60Hz

Dielectric strength: Pri./Sec. 4KV 50Hz 1min 5mA, Sec./Sec 500V 50Hz 1min 5mA

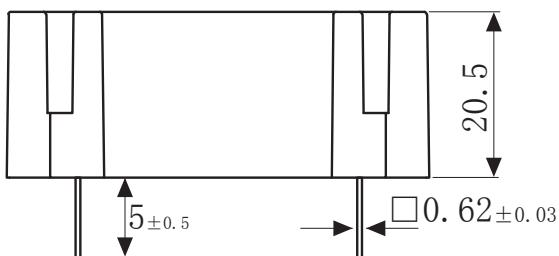
Standard output parameter table :  
(Ex-factory to full-load voltage shall prevail)

Secondary voltage	Secondary no-load voltage	Secondary full-load current
2 × 6V	2 × 9V	2 × 333mA
2 × 7.5V	2 × 11V	2 × 267mA
2 × 9V	2 × 13V	2 × 222mA
2 × 12V	2 × 16V	2 × 165mA
2 × 15V	2 × 21V	2 × 133mA
2 × 18V	2 × 25V	2 × 111mA
2 × 24V	2 × 35V	2 × 83mA

## Technical parameters table:

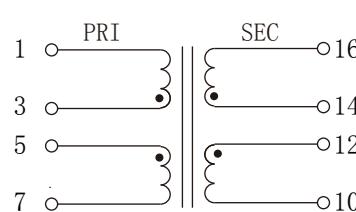
Primary voltage	Double 110V	Double 115V	unit
Primary voltage range	± 10	%	
Power	4	VVA	
Voltage regulation	≤ 35	%	
Temperature rising	≤ 20	°C	
No load loss	≤ 0.5	W	
Weight	140	g	

Dimension (in mm±0.5) :



Front view

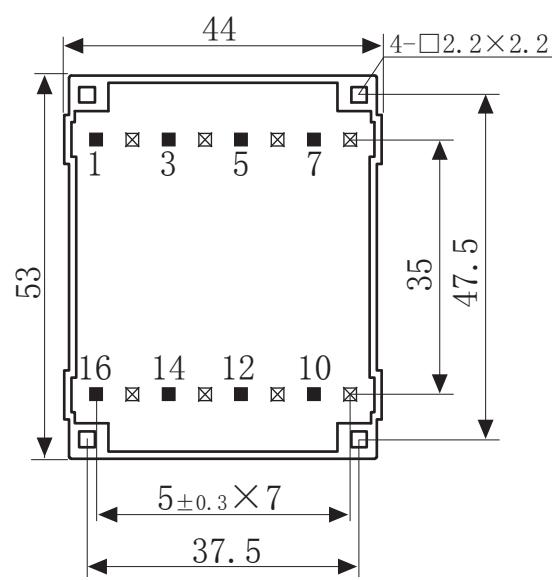
## Schematic diagram:



### Input/output shorting method

**Series connection:**  
3-7 short circuit/1-5 input  
10-14 short circuit/12-16 output

**Parallel connection:**  
1-7 short circuit, 3-5 short circuit  
1-3 input or 5-7 input  
12-14 short circuit, 10-16 short circuit  
10-12 output or 14-16 output



Bottom view