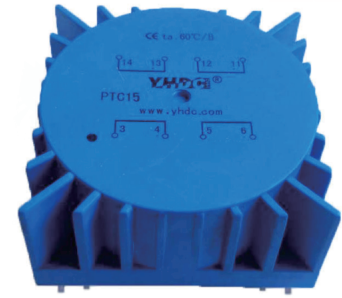


# PTC15 welded toroidal transformers



## Characteristics:

Small leakage, Low noise, High efficiency, Low no load current, PCB mounting, Used for supper acoustics, Medical equipment, Military engineering, Precision instrument, using the imported high quality toroidal core Primary working



## Technical index:

Mounting type: PCB

Flame resistance: UL94-V0

Insulation class: B grade

Work temperature:  $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Frequency range: 50Hz~60Hz

Dielectric strength: PRI/SEC: 4KV 50Hz 1min 5mA  
SEC/SEC 500V 50Hz 1min 5mA

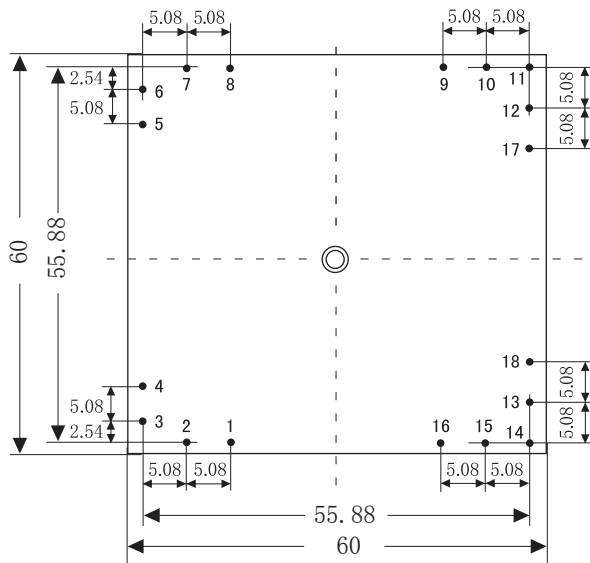
**Electrical parameters:** ( The following parameters are typical values and actual values will be subject to product testing )

Primary voltage	Double110	Double115	Unit
Primary voltage range	$\pm 10$		%
Power	15		VA
Voltage regulation	$\leq 19$		%
Temperature rising	$\leq 28$		$^{\circ}\text{C}$
No load loss	$< 0.3$		W
weight	300		g

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

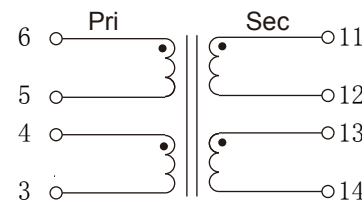
Secondary voltage	Secondary no load voltage	Secondary full load current
$7\text{V} \times 2$	$8.5\text{V} \times 2$	$1.07\text{A} \times 2$
$9\text{V} \times 2$	$10.8\text{V} \times 2$	$833\text{mA} \times 2$
$12\text{V} \times 2$	$14.7\text{V} \times 2$	$625\text{mA} \times 2$
$15\text{V} \times 2$	$18.5\text{V} \times 2$	$500\text{mA} \times 2$
$18\text{V} \times 2$	$22.2\text{V} \times 2$	$417\text{mA} \times 2$
$22\text{V} \times 2$	$27.2\text{V} \times 2$	$341\text{mA} \times 2$

## Dimension(mm $\pm 0.5$ ):



Bottom view

## Schematic diagram:



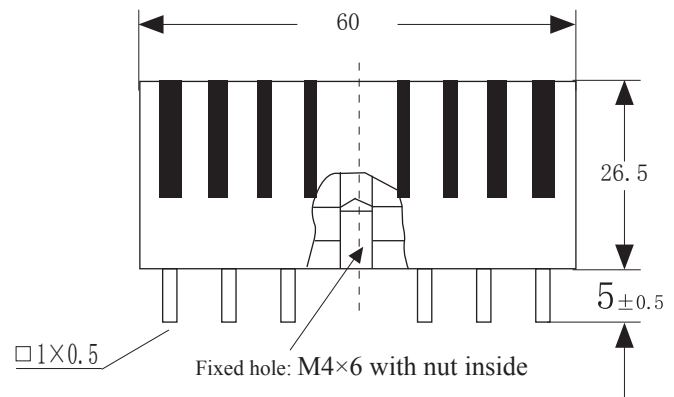
## Input/output shorting method

### Series connection:

4-5 short circuit/3-6input  
12-13 short circuit/11-14 output

### Parallel connection:

3-5 short circuit. 4-6 short circuit  
3-4 input or 5-6 input  
11-13 short circuit. 12-14 short circuit  
11-12 output or 13-14 output



Front view