

PTC40 PCB welded toroidal transformers



Characteristics:

Small magnetic flux leakage, low noise, high efficiency, low no-load current, PCB welded toroidal, suitable for advanced audio, medical equipment, military engineering, precision instruments, using imported high quality ring core.

Technical index:

- Mounting type: PCB
- Flame resistance: UL94-V0
- Insulation grade: B
- Operating temperature: $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Frequency range: 50Hz-60Hz
- Dielectric strength: Pri/Sec 4KV 50Hz 1min 5mA
Pri/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	± 10		%
Power	40		VA
Voltage regulation	≤ 14		%
Temperature rising	≤ 20		$^{\circ}\text{C}$
No load loss	< 0.4		W
weight	845		g

Product picture :(the printed words are for reference only, subject to the actual product)

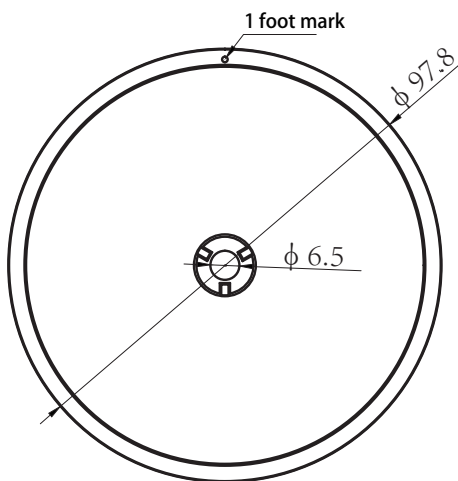


Standard output parameter table : (factory full load voltage shall prevail)

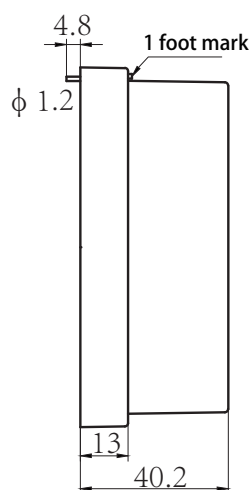
Secondary voltage	Secondary no load voltage	Secondary full load current
$7\text{V} \times 2$	$8.1\text{V} \times 2$	$2.86\text{A} \times 2$
$9\text{V} \times 2$	$10.5\text{V} \times 2$	$2.22\text{A} \times 2$
$12\text{V} \times 2$	$14\text{V} \times 2$	$1.67\text{A} \times 2$
$15\text{V} \times 2$	$17.4\text{V} \times 2$	$1.33\text{A} \times 2$
$18\text{V} \times 2$	$21\text{V} \times 2$	$1.11\text{A} \times 2$
$22\text{V} \times 2$	$25.6\text{V} \times 2$	$909\text{mA} \times 2$

Dimension(mm ± 0.5):

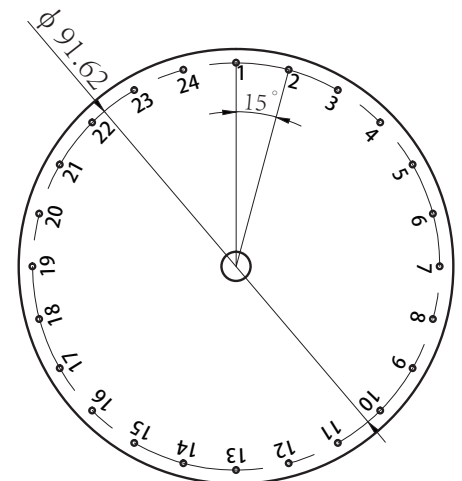
Fixed hole with M6*35 screw



Front view

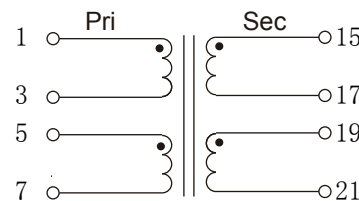


Side view



Bottom view

Schematic diagram:



There is no needle in the other feet

Input/output shorting method

Series connection:

- 3-5 short circuit/1-7 input
- 17-19 short circuit/15-21 output

Parallel connection:

- 1-5 short circuit.3-7 short circuit
- 1-3 input or 5-7 input
- 15-19 short circuit.17-21 short circuit
- 15-17 output or 19-21 output