

Miniature Voltage Transformers

PT(PCB) Series

The series of PCB Mounted Miniature Voltage transformers are designed specifically for integration into products which require exceptionally accurate primary signal transformation while exposed to harsh environmental operating conditions.

It can save time and the installation costs.

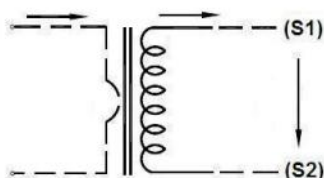
◆ Features

- Small size, PCB Mounted
- Wide range of sizes to accommodate all the existing installations

◆ Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Instrumentation, Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

◆ Circuit connection diagram



◆ Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	0-630V
Measuring range	5%In-120%In
Rated Output	0-10V
Ratio	$\leq \pm 0.1\%$
Phase angle	$\leq \pm 10$ 分
Dielectric strength	3KV/1mA/1min
Insulation Resistance	DC500V/100MQ min

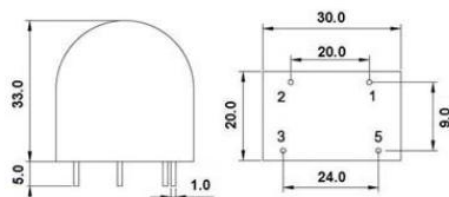
Mechanical Parameter	
Case	PBT /UL94-V0
Bobbin	PBT
Core	Silicon or Nanocrystalline
Internal structure	Epoxy
Construction	PCB
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	Stitch or Leads

◆ Type Selection

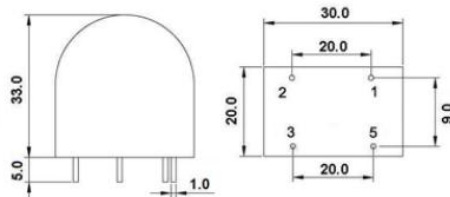
Mfg P/N	Input	Output	Accuracy	Power consumption
PT5211A	57.7V、100V、120V...150V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$
PT5211B	57.7V、100V、120V...150V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$
PT5211C	57.7V、100V、120V...150V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$
PT5321	57.7V、100V、120V...150V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$
PT5421A	57.7V、100V、120V...150V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$
PT5421B	57.7V、100V、120V...150V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$
PT5461	57.7V、100V、120V...220V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$
PT5511A	57.7V、100V、120V...150V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$
PT5511B	57.7V、100V、120V...630V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$
PT5521	57.7V、100V、120V...630V	0-7.07V	0.1、0.2	$\leq 0.5\text{VA}$

Miniature Voltage Transformers

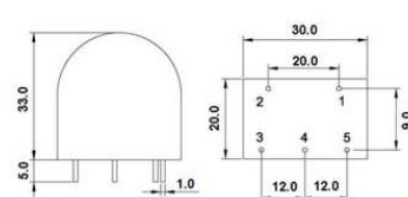
PT(PCB) Series



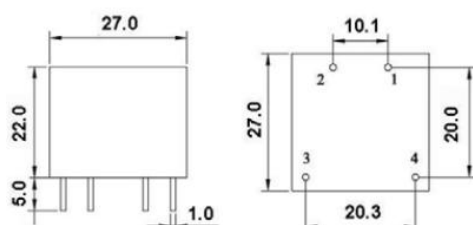
PT5211A



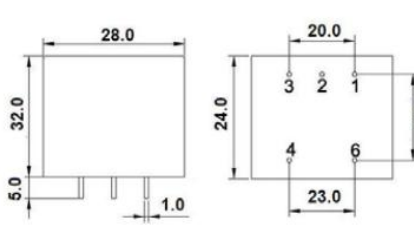
PT5211B



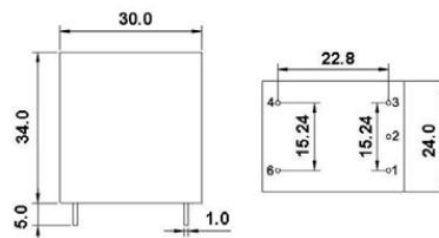
PT5211C



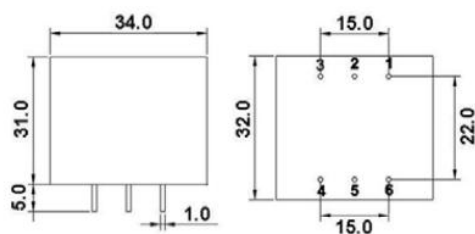
PT5321



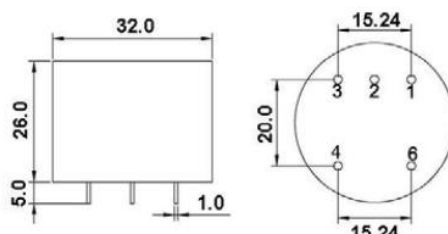
PT5421A



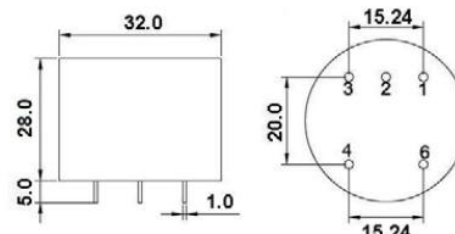
PT5421B



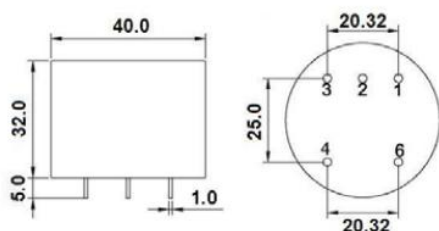
PT5461



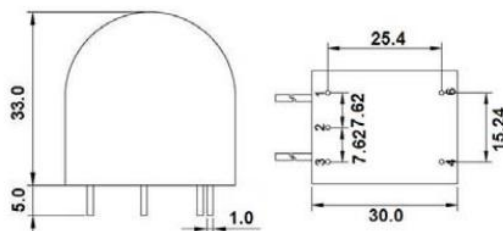
PT5511A



PT5511B



PT5521



PT5211D