

Miniature Voltage Transformers

PT2011(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.

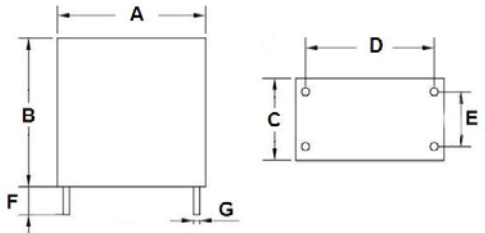
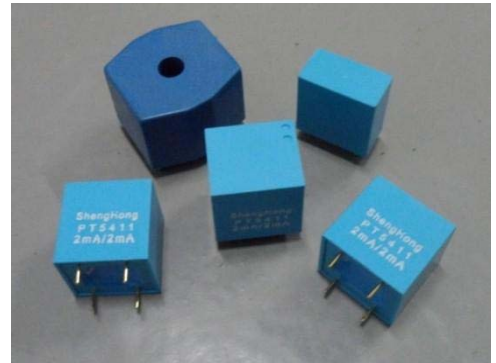
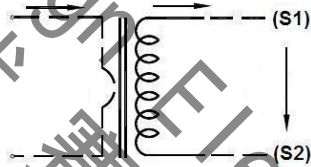
◆ Features

- 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	1mA、2mA
Measuring range	5%In-120%In
Rated Output	1mA、2mA
Ratio	± 0.1%
Phase angle	± 10 分
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PBT /UL94-V0
Bobbin	PBT
Core	Permalloy or Nanocrystalline
Internal structure	Epoxy
Construction	PCB
Operating Temp	-25℃~+75℃
Operating Humidity	≤85%
Output Connection	Stitch

◆ Type Selection

Mfg P/N	Input/Output	Burden	Ratio	Accuracy	Dimensions (mm)						
					A	B	C	D	E	F	G
PT2011A	2mA/2mA	≤150Ω	1000: 1000	0.1、0.2	19.0	18.0	10.0	12.0	5.0	5.0	0.8
PT2011B	2mA/2mA	≤150Ω	1000: 1000	0.1、0.2	19.0	18.0	10.0	16.5	7.2	5.0	0.8
PT2011C	2mA/2mA	≤150Ω	1000: 1000	0.1、0.2	19.0	18.0	10.0	13.0	5.0	5.0	0.8
PT2011D	2mA/2mA	≤200Ω	1000: 1000	0.1、0.2	22.0	19.0	12.0	16.5	7.2	5.0	0.8

Miniature Voltage Transformers

PT5411(PCB) Series

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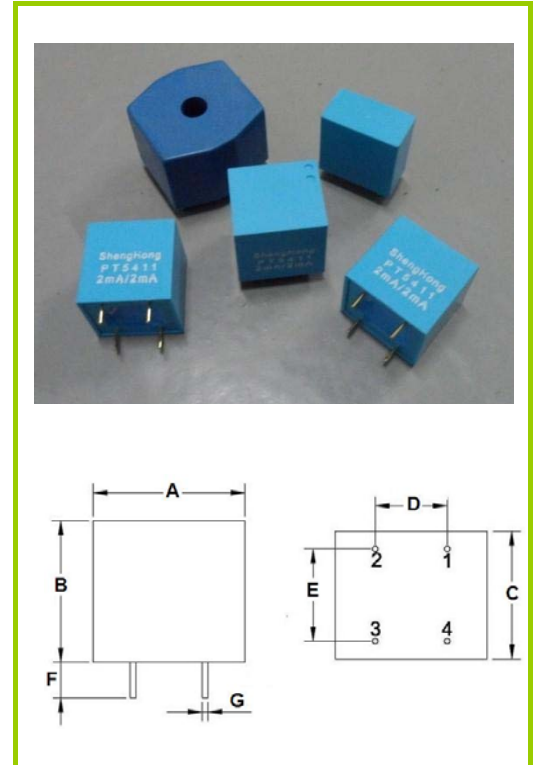
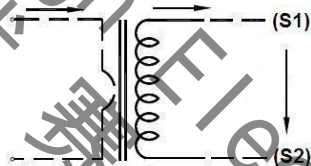
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◆ Circuit connection diagram



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Electrical Parameter		Mechanical Parameter	
Frequency	50-400Hz	Case	PBT /UL94-V0
Rated Input	1mA、2mA	Bobbin	PBT
Measuring range	5%In-120%In	Core	Permalloy or Nanocrystalline
Rated Output	1mA、2mA	Internal structure	Epoxy
Ratio	± 0.1%	Construction	PCB
Phase angle	≤ ±10 分	Operating Temp	-25°C~+75°C
Dielectric strength	3.0KV/1mA/1min	Operating Humidity	≤85%
Insulation Resistance	DC500V/100MΩ min	Output Connection	Stitch

◆ Type Selection

Mfg P/N	Input/Output	Burden	Ratio	Accuracy	Dimensions (mm)						
					A	B	C	D	E	F	G
PT5411A	2mA/2mA	≤500Ω	1000: 1000	0.1、0.2	19.0	18.0	17.0	10.1	13.0	5.0	0.8
PT5411B	2mA/2mA	≤150Ω	1000: 1000	0.1、0.2	17.0	16.0	16.0	7.5	12.0	5.0	0.8
PT5411C	2mA/2mA	≤200Ω	1000: 1000	0.1、0.2	19.0	13.2	16.2	10.1	13.0	5.0	0.8