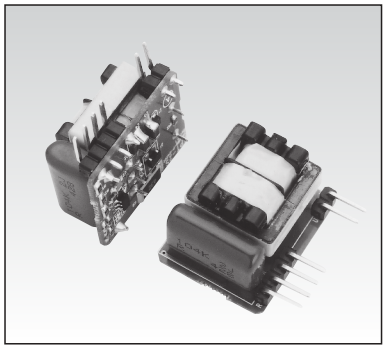
Super small PT for power measurement (Active PT)/SIP type

PAT・R

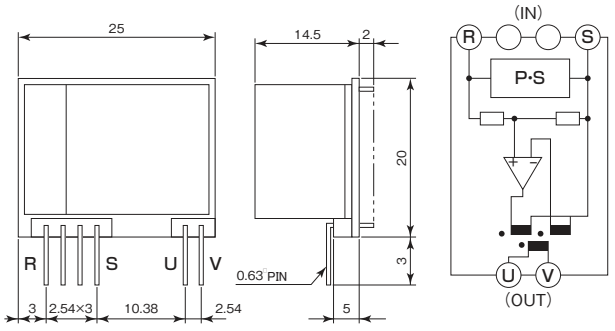


Model APT-2S (200V : 1V)

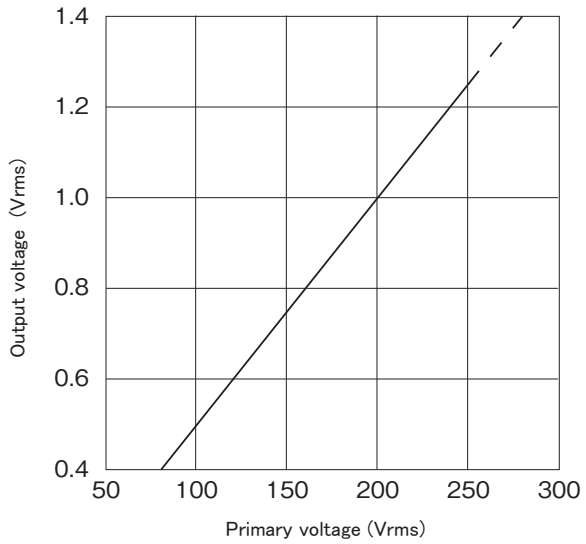
〔Features〕

- ●Built in phase compensation circuit with super small transformer and output voltage feedback, and realizing excellent ratio error and phase shift characteristic
- ●Possible to reduce size and weight compared with PT for instrumentation
- ●Standardizing output 1V for direct interface to electrical circuit
- ●7Corresponding to wide primary voltage of 75 ～ 250V
- ●With self powered system, external power supply for control is unnecessary
- ●Equivalent circuit to transformer of 200V:1V

〔Outline drawing・Connection〕



〔Output voltage characteristic〕



〔Specification〕 Ta=25℃

Model	APT-2S (200V:1V)
Rating primary voltage: En	200V (75 ～ 250V)
Rating output voltage ratio	200V : 1V
Frequency	50Hz ／ 60Hz
Over voltage strength	1.4xEn/Continuous, 2xEn/1s
Ratio error	Within ±1%FS
Phase shift	Within ±30分 (Refer characteristics)
Load resistance	≧100kΩ
Internal current consumption	3mA (typ)
Withstand voltage	AC2000V(50/60Hz), 1min (Input terminal in a lump-output terminal in a lump)
Insulation resistance	DC500V, ≧100MΩ (Input terminal in a lump-output terminal in a lump)
Operating temperature	-20℃～ +75℃ , ≦80%RH, no condensation
Storage temperature	-30℃～ +95℃ . ≦80%RH, no condensation
Mass	approximately 10g

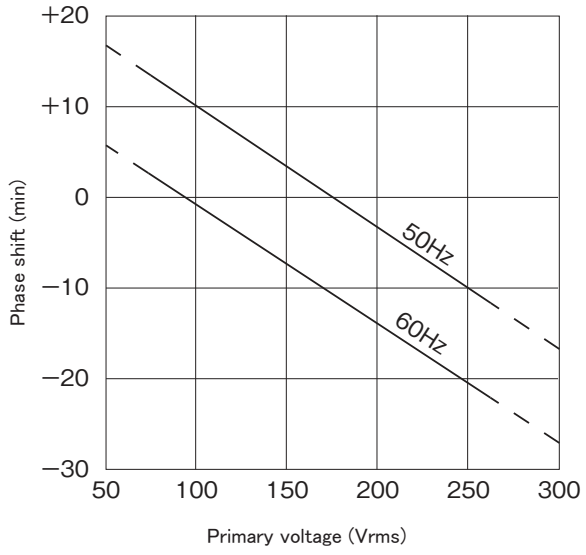
〔Remark〕

(1) Only for 50/60Hz of commercial power supply

(2) Impossible to earn output during several cycles of transient

(3) Please ask in case of different voltage, frequency, waveform, and so on from commercial power supply

〔Phase shift characteristic〕



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