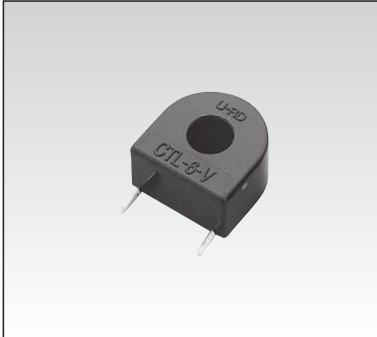
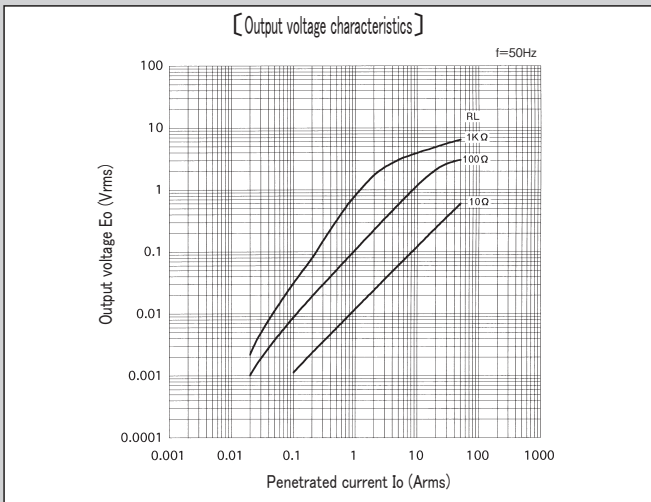
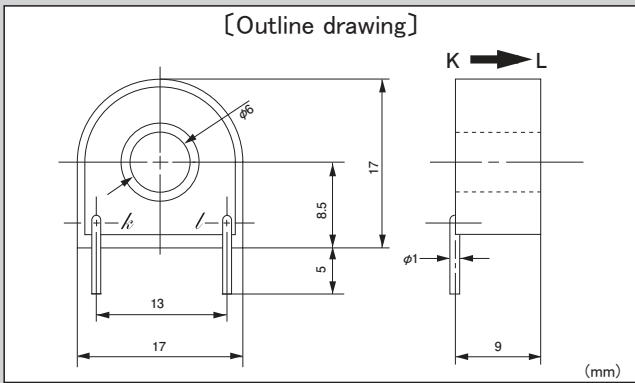


Ultra small AC current sensor for PCB mounting vertically



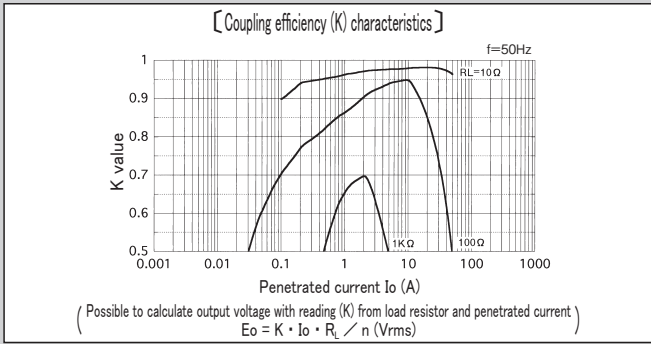
型式 CTL-6-V

- [Features]**
- Right angle pins for PCB mounting vertically.
 - The smallest model in CTL generic series for general measurement
 - Ensure aperture diameter ($\phi 6$) in ultra small model. Mass approximately 5g, optimum for PCB mounting directly with the penetrated conductor.
 - Covering the wide range until 40A maximum of primary current
 - Possible to interface with electrical circuit directly by 800:1 high current ratio



[Specification] Ta=25°C

Model	CTL-6-V
Primary current	0.1 ~ 40Arms (50 / 60Hz)、 $RL \leq 10 \Omega$
Maximum primary current	60Arms continuous
Saturation limited current	60Arms (50 / 60Hz)、 $RL \leq 1 \Omega$
Output characteristics	Refer "Output voltage characteristics"
Linearity	Refer "Coupling efficiency [K] characteristics" (Use the flat range of [K] characteristic in the application as the linear sensor)
Secondary windings (n)	800 ± 2turns
Secondary windings resistance	31 Ω (reference)
Withstand voltage	AC2000V(50/60Hz), 1min(between aperture and output terminal in a lump)
Insulation resistance	DC500V, $\geq 100M \Omega$ (between aperture and output terminal in a lump)
Operating temperature	-20°C ~ +75°C, $\leq 80\%RH$, no condensation
Storage temperature	-30°C ~ +90°C, $\leq 80\%RH$, no condensation
Structure	PBT plastic case, potted by epoxy on one side
Output terminal	$\phi 1.0 \times 5L$ (hard copper pins), gold plating
Mass	approximately 5g



- Remark (1)** Output voltage is changed by the penetrated current/load resistor/[K] characteristic and so on. Please set up the condition for use with careful investigation of each characteristic
- (2)** Please use with enough margin if the range of coupling efficiency [K] ≤ 0.9 , because it is the range to happen the individual difference.
- (3)** Opening the secondary during turn ON is hazardous and the cause of failure, because of generating high voltage
- (4)** Please surely ask to our technical consulting service, if the power measurement is thought.
- (5)** Please be careful of CT heating in case to use with high frequency, although this CT is basically used at 50/60Hz.

