

## Small size current sensor for high current measurement

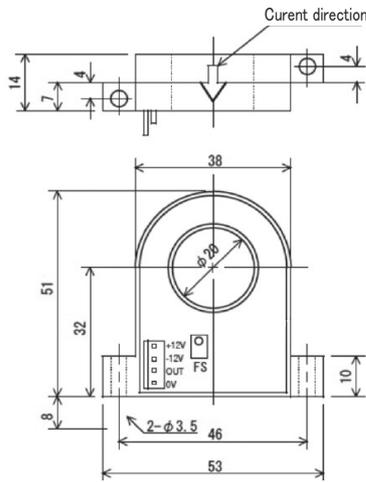


**Model** CTL-20-S40-10L-10

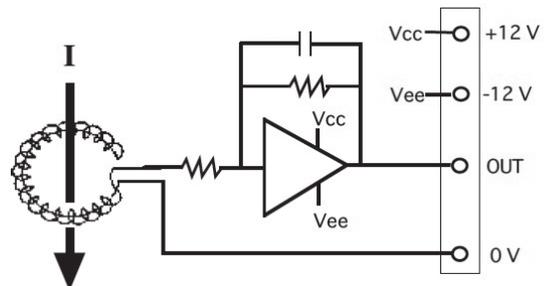
**[Features]**

- Possible to measure high current even if small and light
- Full scale 100A, 200A, 500A
- Wide frequency range

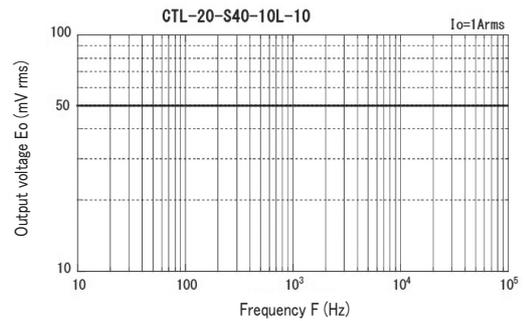
**[Outline drawing]**



**[Block diagram]**



**[Frequency characteristics]**



**[Specification] Ta=25°C**

Model	CTL-20-S40-10L-10	CTL-20-S40-10L-20	CTL-20-S40-10L-50
Rating current	100Arms	200Arms	500Arms
Output voltage	5Vrms/Rating current		
Residual voltage	Within ± 15mV (no load)		
Accuracy	Within ± 1%FS		
Linearity	Within ± 1%FS		
Response time	less than 2 μs		
Output voltage temperature coefficient	Within ± 0.03% / °C		
Residual voltage temperature coefficient	Within ± 0.3mV / °C		
Frequency characteristic	10Hz ~ 100kHz (-3dB)		
Power supply	DC ± 12V ~ ± 15V (less than 5mA)		
Operating temperature	-10°C ~ +60°C, ≦ 85%RH, no condensation		
Storage temperature	-15°C ~ +65°C, ≦ 85%RH, no condensation		
Output connector	5045-04 (Molex)		
Mass	approximately 33g		

**[Output voltage characteristic]**

