

Miniature Split-core CT



Taehwatrans miniature split-core current transformers (CTs) offer mA and mV output based on the ratio to the source and the rating of the individual unit. TS split-core CT series can be connected directly to compatible sub-meters and do not necessitate sub-meters to include internal current transformers for accurate monitoring. This benefit allows one meter to be used for various sources with different current levels just by utilizing different CTs. In addition, each individual CTs includes an over-voltage protection circuit as additional layers of safety and reliability measures. The split-core design allows for easy installation in existing architecture. For the use of retrofit applications, including power meters, data loggers, chart recorders, and other instruments, compact size and easy installation would be the best premium. In the expansion of smart grid and energy saving businesses around the globe, our split-core CT TS series are widely used in Home Energy Management System (HEMS), Building Energy Management System (BEMS) and Factory Energy Management System (FEMS).

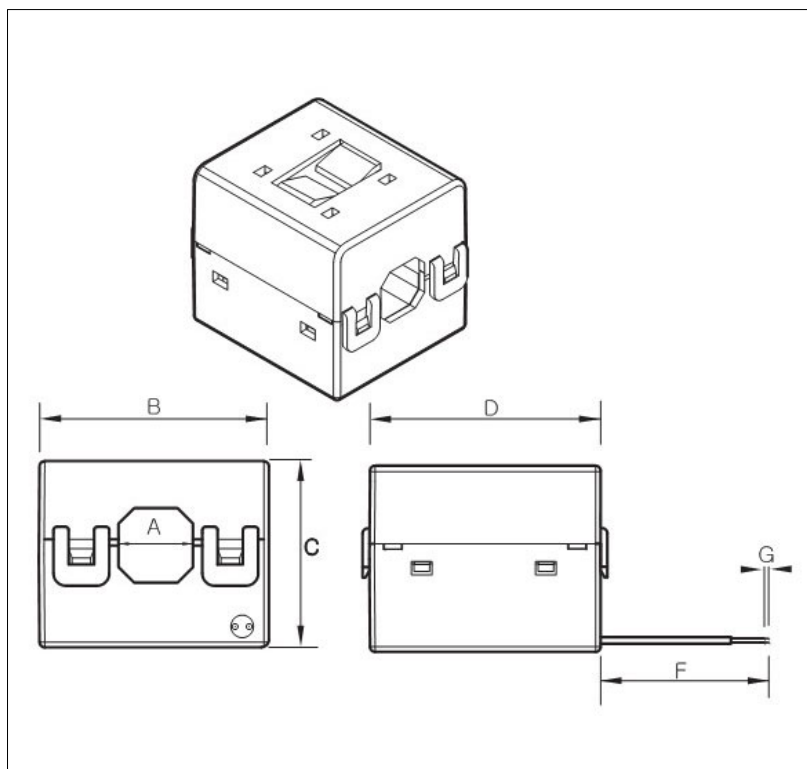
Application

- Energy management system (HEMS, BEMS, FEMS)
- Sub-metering / Power monitoring
- Data logger to building & machinery performance
- Solar & wind turbine system inverter

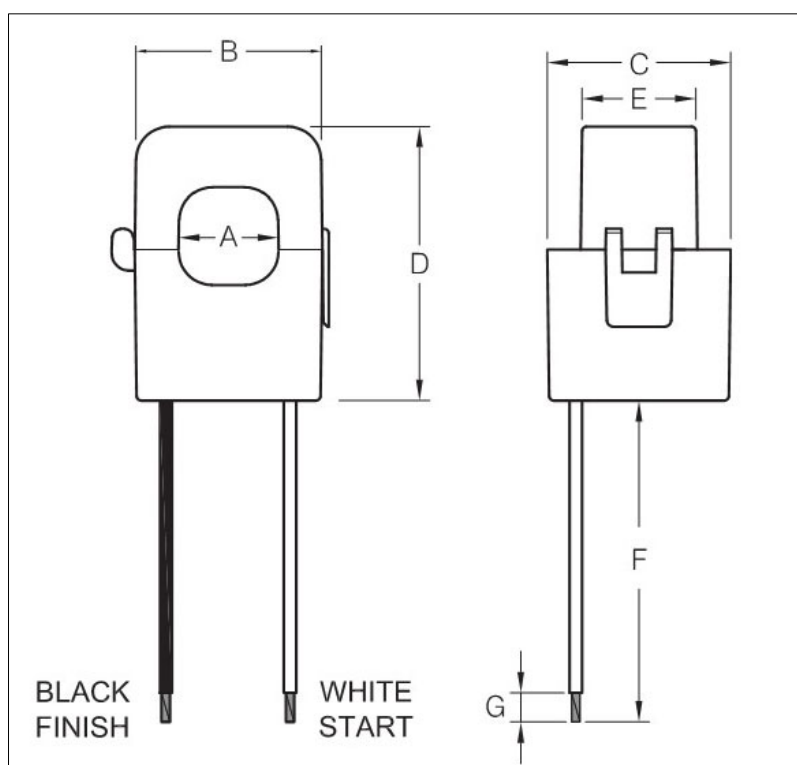
Features

- 0.5-1.0 class accuracy compliant to IEC61869-2
- Nominal linearity $\pm 0.5\%$
- Excellent sensitivity at the low current level
- Operating frequency: 40Hz to 400Hz
- Hi-Potential voltage : 2kV & 4kV per min
- Small size, light-weight, simple Installation
- UL Recognized
- RoHS compliant
- Custom output and other parameters are available

Drawing



TS12L



TS9 / TS10 / TS16 / TS24 / TS36L Series

Electrical Property & Dimension

Dimension

(unit : mm)

Model NO	A (min)	B (max)	C (max)	D (max)	E (max)
TS9L	5.9	19.1	19.2	32.7	10.2
TS10L	10	25	26.4	40	14
TS12L	12	36.2	36.6	40.2	
TS16L	16	31	32	48	19.2
TSFH16L	16	36.7	34.8	53.9	
TSH24L/TSFH24L	22.2	46	34.2	66	22.1
TSH36L/TSFH36L	34.4	57.7	38.5	83.3	23

Electrical Properties : mA output

F : 50/60Hz

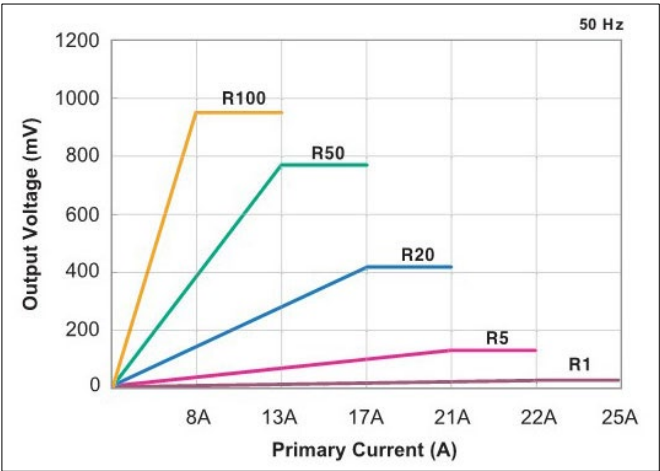
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Electrical Properties: 333mV output

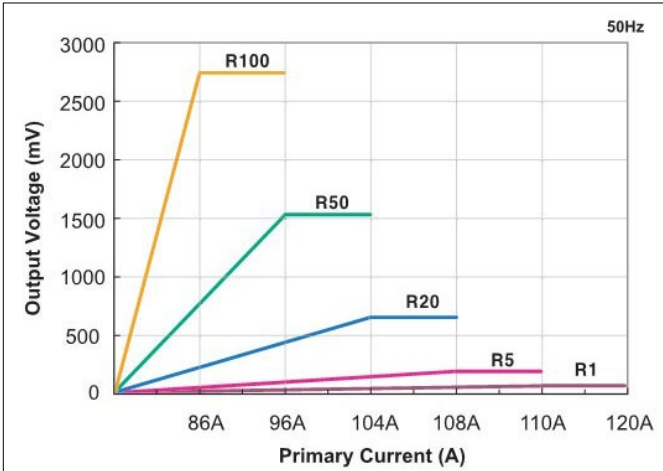
F : 50/60Hz

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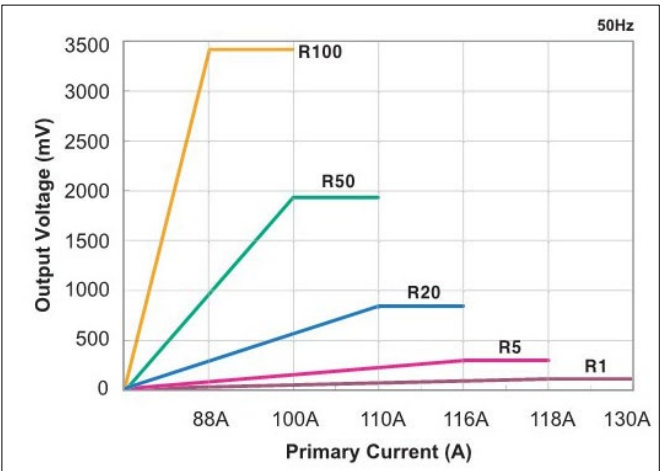
Secondary Burden & Output Voltage Graph



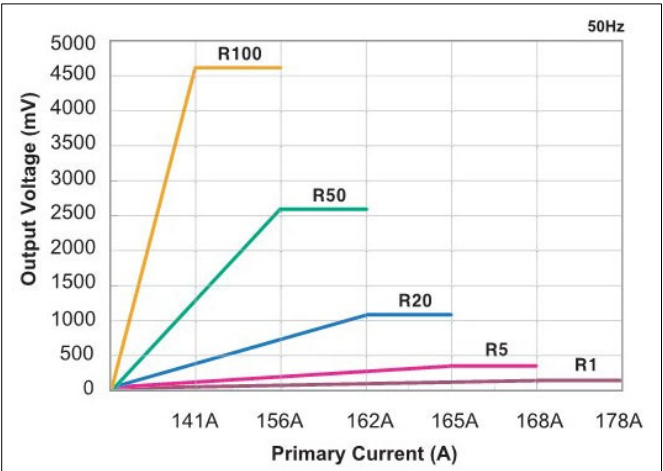
TS9L



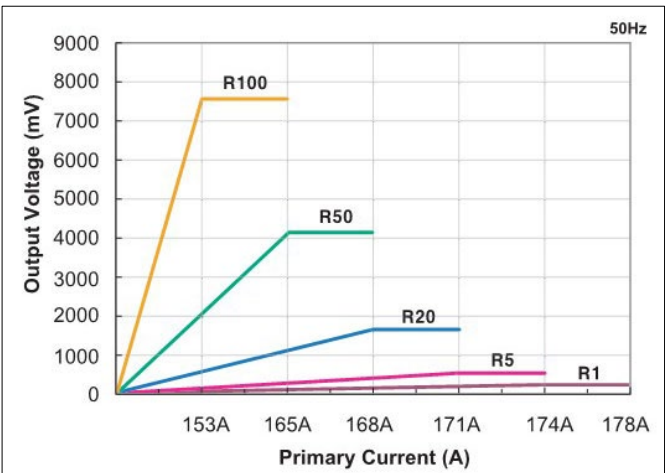
TS10L



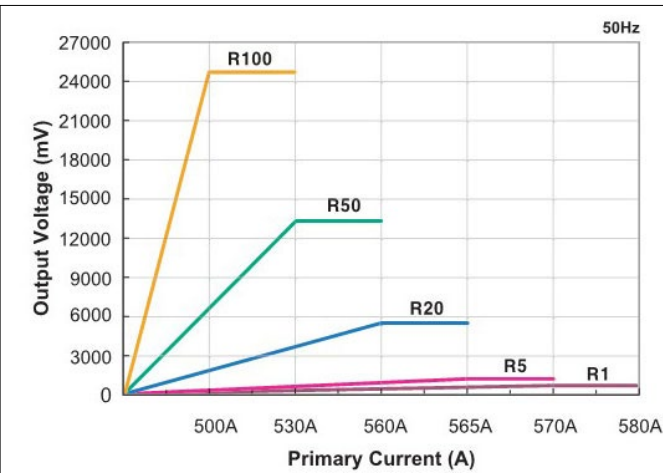
TS12L



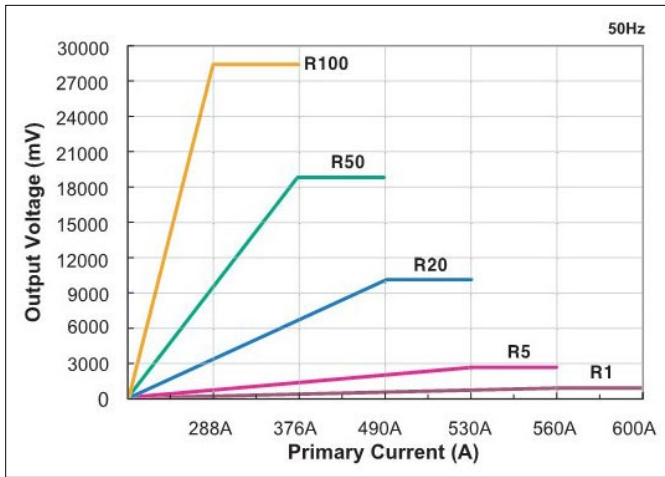
TS16L



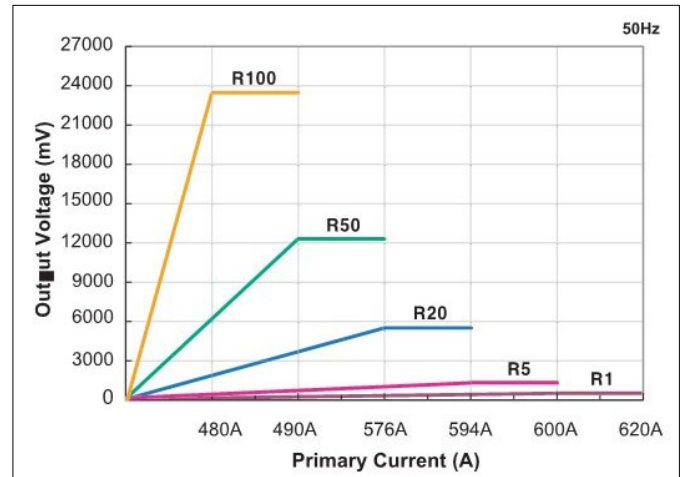
TS24L



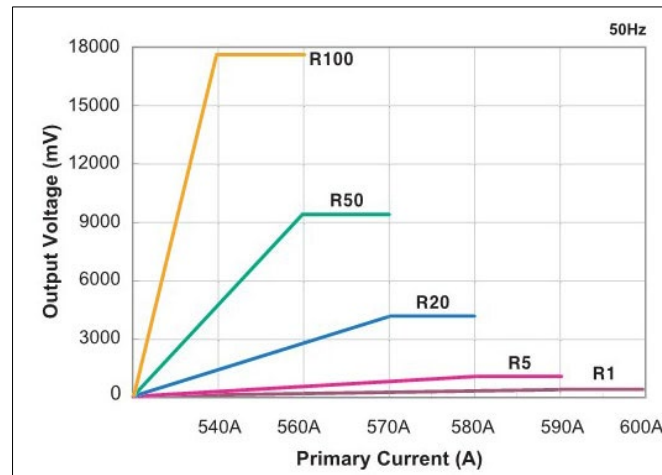
TS24L2K



TS36L1L



TS36L2K



TS36L3K



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