

Split Core Current Transformer KCT-10

The KCT-10 Series are split-core current transformers. The CT can be mounted to existing panels, such as control centers or load centers, to measure or monitor wattage. These CTs can be mounted without removing existing cables for easier installation



Electrical Specifications

Rated Primary Current(Amp.) 50/60Hz	75A
Turnn ratio	3000:1
Max. Current (continuous)	75A
Current Ratio	75A/25mA
D.C.Resistance at 20 °C	20 Ω
Accuracy @ $R_L \leq 10\Omega$	0.5%
Linearity @ $R_L \leq 10\Omega$	0.5%
Phase error at rated current range	$\leq 3.5^\circ$
Operating Temperature Range	-40~65°C
Storage Temperature Range	-45~85°C
Dielectric Withstanding Voltage(Hi-pot)	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

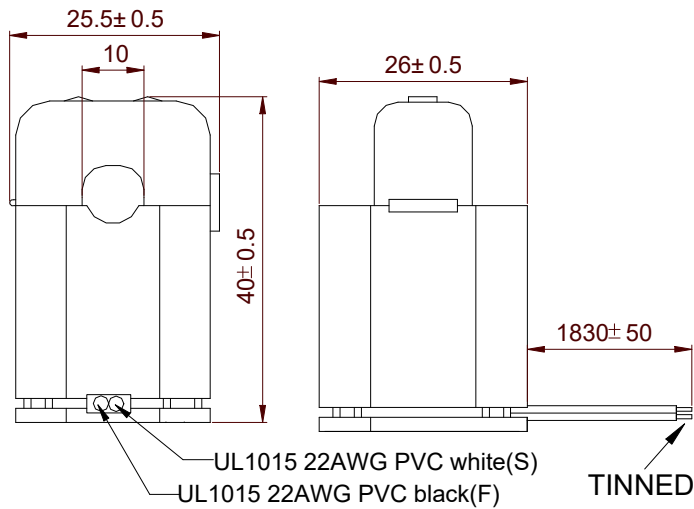
Mechanical Specifications

Housing	PA66 (FOR UL 94-V0)
Opening Angle	180 degree
Output type	UL1015 24AWG (600V,105°C)
Approx.Weight	60g
Bobbin	PBT

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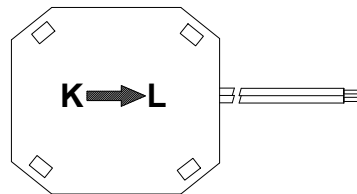
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Mechanical Dimensions in mm



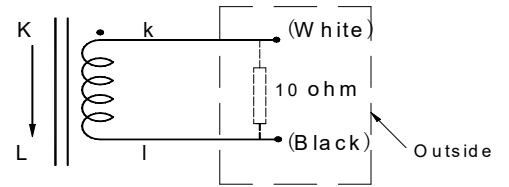
Front view

Side view



Bottom view

Test Circuit:



Applications:

- Current Measurement
- Monitoring & Protection

Advantage:

- Low cost
- Mount easy
- Excellent linearity over the whole range
- Fully RoHS Compliant.

Material List:

NO	ITEM	DESCRIPTION	UL Card	MATERIAL	NOTE
1	CORE	UU20.6	/	N07	
2	CASE	PP6331	E85783	PP	
3	BOBBIN	D202G15	E107536	PBT	
4	WIRE	2UEW	E164502	UEW/U	
5	LEAD WIRE	UL1015 22AWG	E189674	PVC	105°C 600V
6	SOLDER	99.3%	/	Sn	

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CUSTOMER APPROVED

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