

Approval Sheets

Approved by

Item: 60A DC immune Current Transformer

Model No.: ZMDCT25

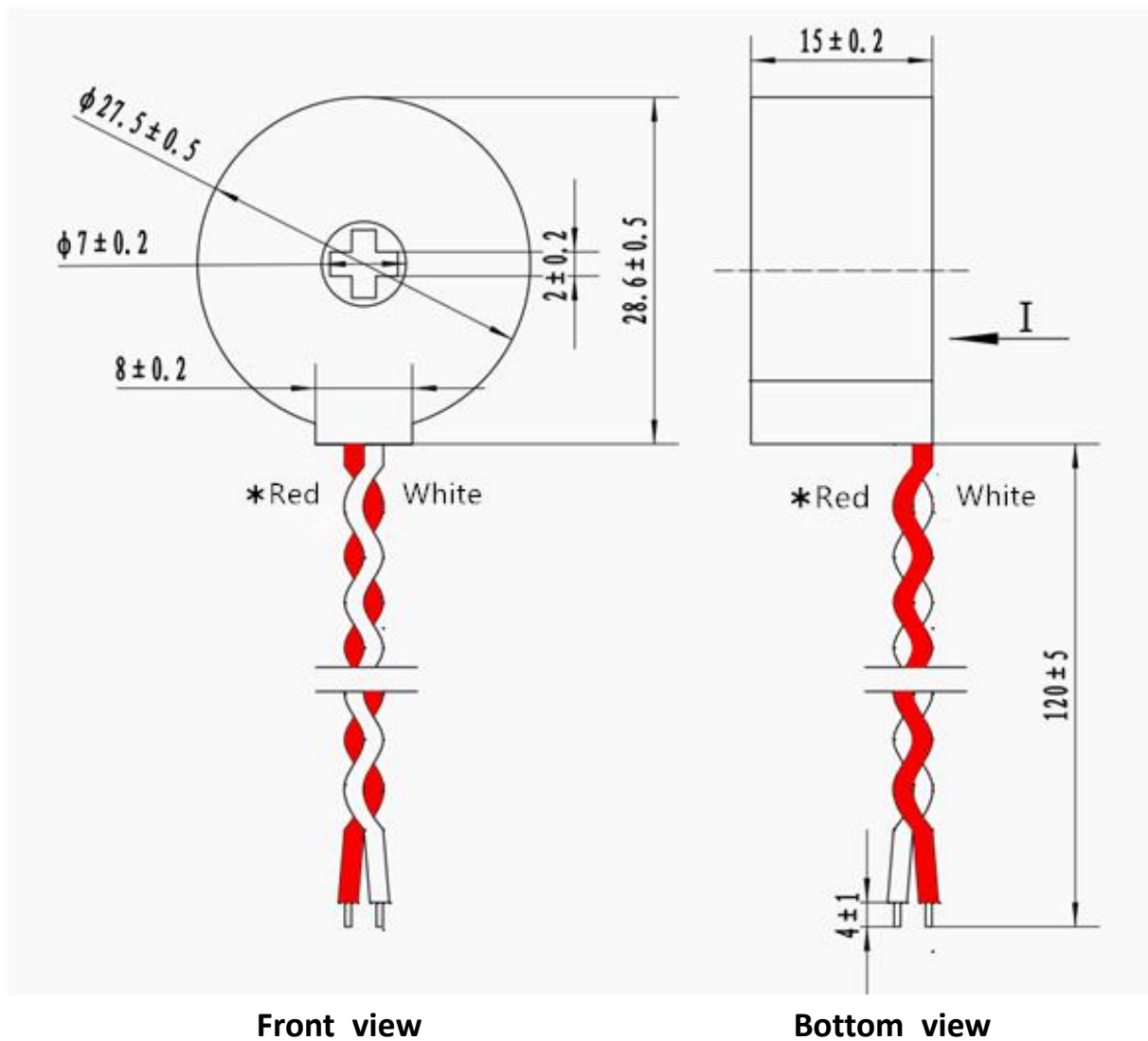
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		<u>Signed</u>

1. Specification

Characteristics	Values
Operating frequency	50 Hz ~ 400 Hz
Operating temperature	-40°C ~ 85°C
Relative humidity	≤95%
Rated primary current I_p	5A
Maximum primary operating current I_{max}	60A
Testing current for DC component 60A/Root 2	<3%
Rated second current	2mA
Transformation ratio	1:2500
User supplied burden resistor	10Ω
Power frequency withstand voltage	4Kv/1min
Insulation resistance	>500MΩ/500Vdc
Encapsulant	Epoxy
Accuracy class	0.1class

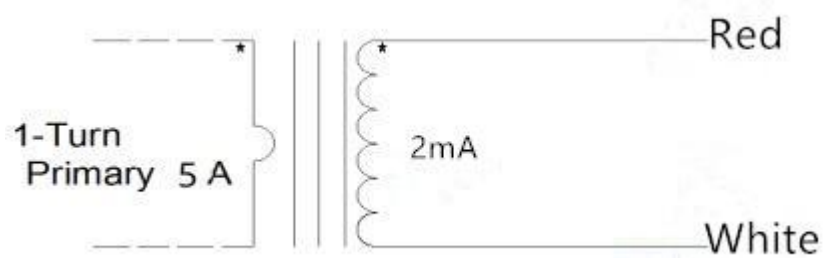
Accuracy class	With the percentage(%)of I_p			
	5	20	100	I_{max}
Ratio Error ($\pm\%$)	0.1	0.1	0.1	0.1
Phase Displacement (\pm')	10	8	8	5

2. Dimension (Unit: mm)



*: SAME POLARITY

3. Electrical schematic:



4.Material List:

No.	Material	Spec. model	UL code	Manufacturer
1	Inner core	Nano-crystalline core	/	ZEMING
2	Outer core	Amorphous core	/	ZEMING
3	Core shell	PBT	E238981	QINGDAO QINKE ENGINEERING PLASTICS
4	Winding	2500T	E258243	ELEKTRISOLA HANGZHOU CO LTD
5	Outside shell	Black	E238981	QINGDAO QINKE ENGINEERING PLASTICS
6	Epoxy resin	TXH-9201-10 epoxy resin insulating compound	E196959	TIANJIN XINQIAO INSULATING MATERIAL CO LTD
7	Leading wire	UL1007, 26AWG, Red&White	E315651	ZHEJIANG CHENGBAO WIRE & CABLE CO LTD
8	Tape	Flame retardant, Environmental protection	E165111	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD