

Approval Sheets

Approved by

Item: 100A DC immune Current Transformer

Model No.: ZMDCT13

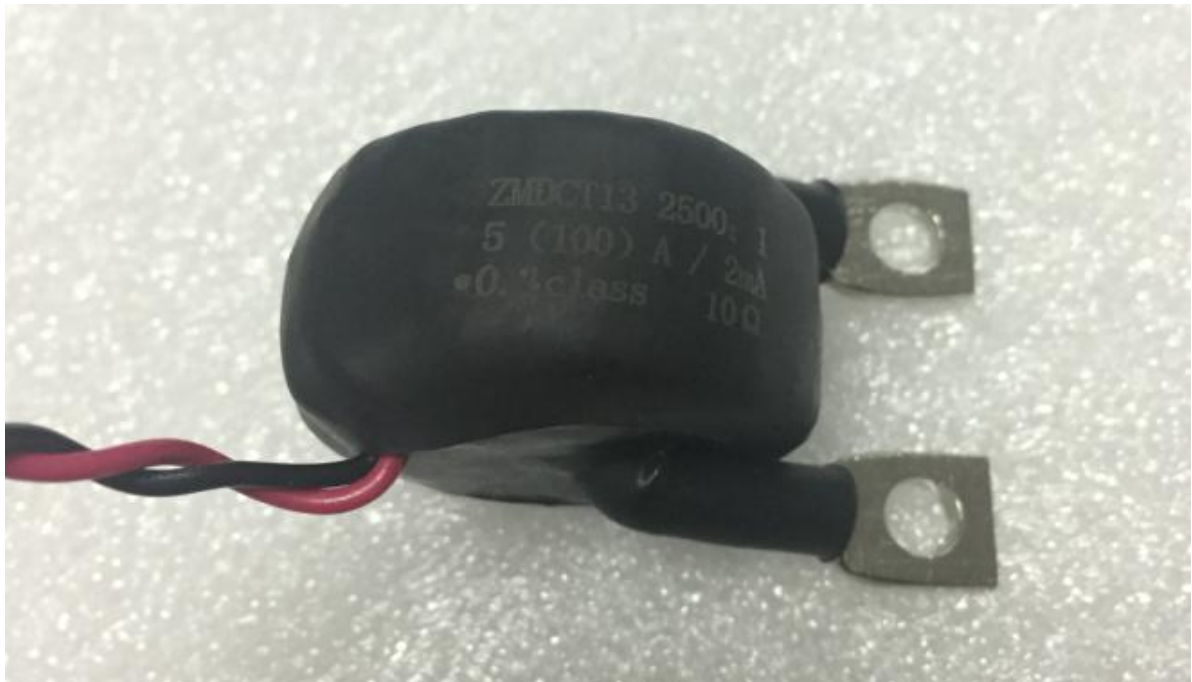
Drawn by	Check by	Approved by
		<u>Signed</u>

1. Specification

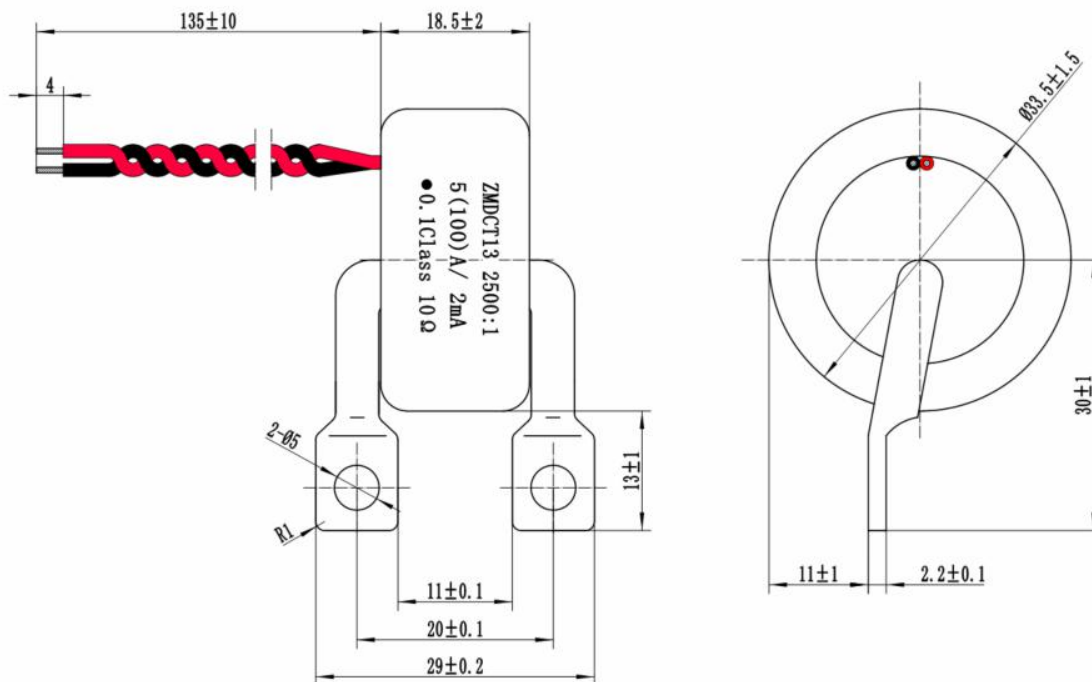
Characteristics	Values
Operating frequency	50 Hz ~ 400 Hz
Operating temperature	-40°C ~ 85°C
Relative humidity	≤95%
Rated primary current I_p	5A
Maximum primary operating current I_{max}	100A
Testing current for DC component 100A/Root 2	<3%
Rated second current	2mA
Transformation ratio	1:2500
User supplied burden resistor	10Ω
Power frequency withstand voltage	3Kv/1min
Insulation resistance	>500MΩ/500Vdc
Accuracy class	0.1class

Accuracy class	With the percentage(%)of I_p				
	5%	20%	50%	100%	120%
Ratio Error (±%)	0.1	0.1	0.1	0.1	0.1
Phase Displacement(±´)	15	15	15	15	15

2. Product photo



3.Dimension



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	Pure copper	Φ5mm, Ni-Plated	/	NANPI RUNHAN ELECTRONIC CO LTD
6	Epoxy resin	TXH-9201-10 epoxy resin insulating compound,Black	E196959	TIANJIN XINQIAO INSULATING MATERIAL CO
7	Leading wire	UL1007, 24AWG Black&Red	E315651	ZHEJIANG CHENGBAO WIRE & CABLE
9	Heat-Shrinkable tube	Black	E203950	SHENZHEN WORE HEAT-SHRINKABLE MATERIAL CO LTD
10	Tape	Flame retardant, Environmental protection	E165111	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD