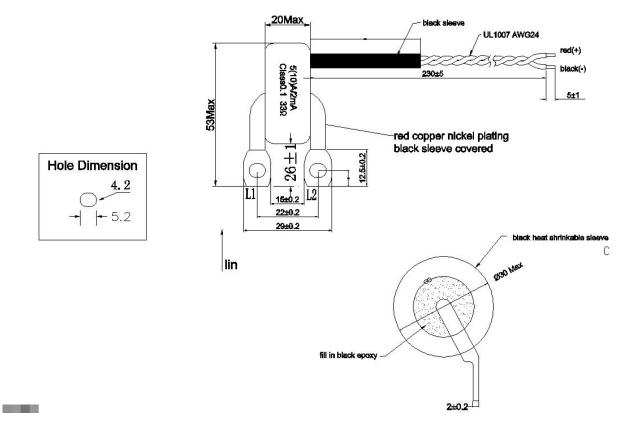
Dimensions:MM



Electrical Specification

Rated Primary Current	5A (r.m.s)
Rated Primary Current	2mA (r.m.s)
Error Nonlinearity	0.1
Overload ratio	33
Frenquency	50/60
Withstanding Volt	4000 (r.m.s)(1mA 1min 50Hz)
Insulation Resistance	1000 (Dc 1000V)
Load Resistance	33

Mechanical Specification

Case	Black Sleeve		
Encapsulate	Ероху		
Terminals	UL1007 AWG24		
Weight	<50g		
Tolerance	±0.3mm		
Storage temp	-50 °C $\sim +80$ °C		

Volatge error and phase displacement for transducer				
Percentage of Rated Primary Current	5%I »≤I<20%I »	20%I "≤I<120%I "	$120\%I_{N} \leq I \leq 600\%I_{N}$	
Current Error	<±0.2	<±0.15	<±0.1	
Phase displacement	≤18	≤16	≤10	
Inspected by	Verified by	Approved by		

4.0 Electrical Performance Requirements

- o Winding Requirements
- Primary : Lead out by copper Conductor
- $\circ~$ Secondary: Lead out by UL1007 #24 Black and Red Wires.
- Insulation Strength Between turns.
- $\circ~$ Keep the secondary coil open, then input 10A(rms) current to primary coil for one

minute, the insulation between turns of CT should be without any damage

- Insulation Resistance
- $\circ~$ Insulation Resistance between primary and secondary winding should be greater than 1000 $M\Omega$
- Insulation strength
- $\circ~$ The primary to secondary winding can undertake power frequency AC 4000V and
- will not be penetrated for one minute by 1ma creepage
- o Impulse Test
- $\circ~$ The CT should with stand an Impulse voltage of 8KV, conducted under IEC Standards
- $\circ~$ Magnetic Influence Test
- $\circ~$ The Accuracy of the CT should be within 1% in the presence of 0.7T magnet at a
- distance of 30mm with base current flowing through the primary winding at unity

power factor.

o Short time over Current Test

 $\circ~$ The accuracy of the CT should not be changed by an over current of 3000A RMS applied for half cycle at 50Hz.