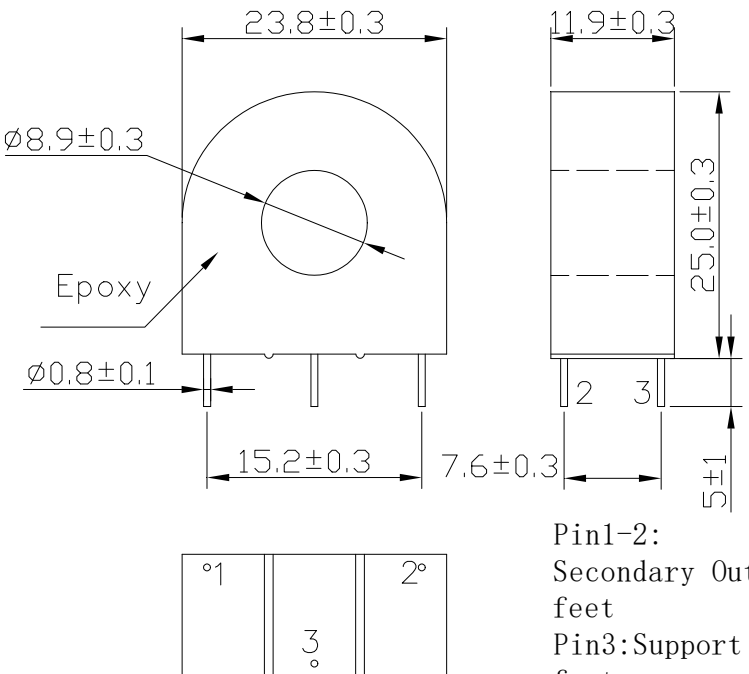



# SPECIFICATION FOR APPROVAL

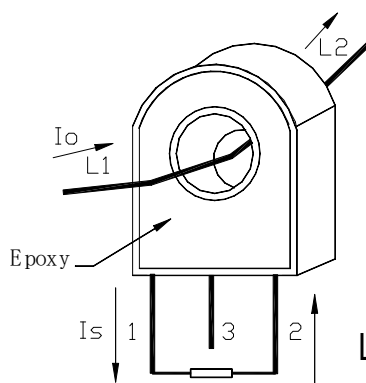
Customer Name		Rev	B
Description	Current Transformer	Date	
Part No	CT 16-1	Customer Part No	

**Features:**  
 Epoxy resin molding encapsulation, good mechanical property and insulation property; extremely high linearity and stable phase error; meet the standards of IEC60044-1, GB1208-97

**Applications:**  
 Electric energy meter, precision wattmeter, electric quantity transformer, data sampling for current and voltage, relay protection, power transmitter, servomotor and electric power monitoring facilities, various digital electrical measuring instruments in dynamic system, meters and intelligent

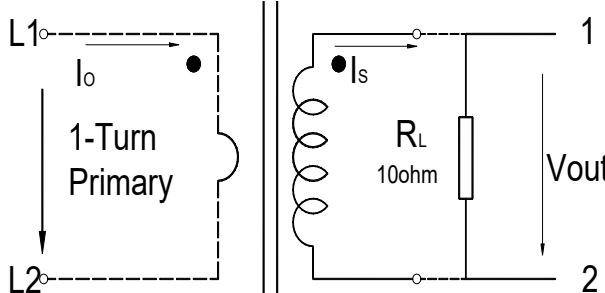
Mechanical Dimensions(unit:mm)	Photo:
 <p style="margin-left: 200px;">Pin1-2: Secondary Output feet Pin3: Support feet</p>	

**Test circuit:** according to formula: Bold lines indicate linear region



$$V_{out} = \frac{I_o \times R_L}{N}$$

**V<sub>out</sub>**: Secondary Output Voltage  
**I<sub>o</sub>**: Primary Current  
**R<sub>L</sub>**: Secondary Load  
**N**: Secondary Turns



mark: Unless requested, the 1-n primary winding and the minating resistor R<sub>L</sub> are not applied.

Electrical Characteristics						
No	Item	Specification				
1	Rated Primary Current (Arms 50/60Hz) (10Ω Load)	0.1min ,60nom, 150max				
2	Secondary Turns	1000Ts nominal--0,13-990TS				
3	Dielectric Withstanding Voltage(Hi-Pot) (Vrms)	4000V/1mA/1min				
4	Impluse withstand voltage	5KV PEAK				
5	Insulation Reslstance(500VDC)	500MΩ Min				
6	D.C.Resistance .at25 °C (Ω)	27~37Ω				
7	Accuracy Class(%) RL≤10Ω	±1%				
8	Primary Current (Arms/50Hz)	1.5	10	30	60	150
9	Secondary Output Voltage For 10Ω Load(mVrms)	15±3%	100±2%	300±1%	600±1%	1500±1%
10	Storage temperature	-25°C~85°C				
	Ambient operating temperature range	-20°C~70°C				

### Mechanical Specifications

No	Item	Describe
1	Housing	Plastic
2	Encapsulant	Eopxy
3	Flame retardant	UL94-V0
4	Terminals	Pin Φ0.8
5	CUP	PBT or ABS

6	All materlal to the requirement of ROHS				
Date		Modification		Drawn by:	yangxiufe
				Checked by:	wushiz
				Approved by:	stevenw