

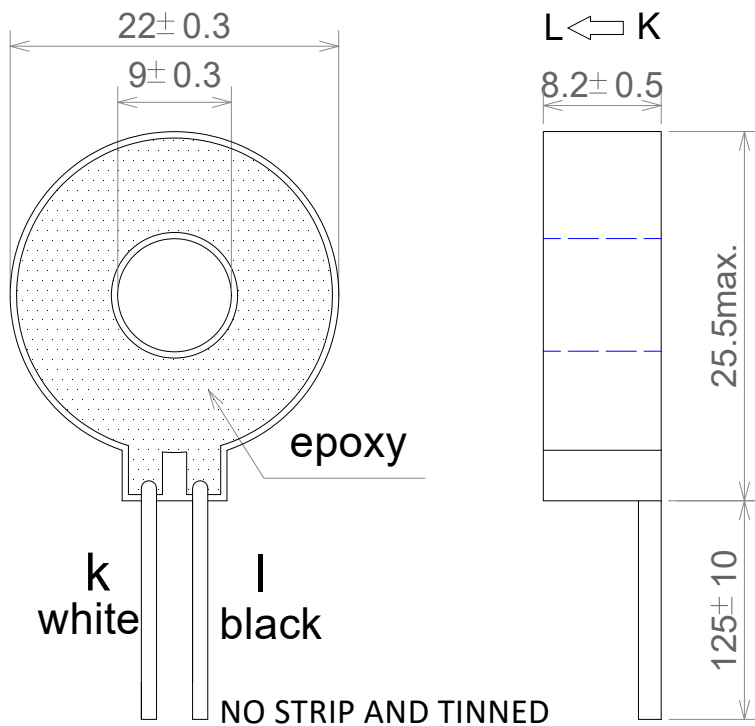
The ECO09 Series are Current Transformers for Electrical Control Unit. The CT is Small size, and low cost

Electrical Specifications

Rated Primary Current(Amp.)	10nom(0.1~30A max.)
Peak Current(A)	45A max.
Turn Ratio	Np:Ns=1:1000
Current Ratio	10A/10mA
Winding D.C. Resistance at 20°C(Ω)	29±10%
Accuracy @RL=10Ω	0.5%
Phase Error at Rated Current Range	≤30'
Operating Temperature Range	-40~65°C
Storage Temperature Range	-45~80°C
Dielectric Withstanding Voltage	4KV/1mA/1min
Frequency Range	50-60 Hz



Mechanical Dimensions in mm



APPLICATIONS

- Current Measurement
- Monitoring & Protection
- Energy and sub-metering products
- Network equipment
- Instruments and sensors
- Control systems

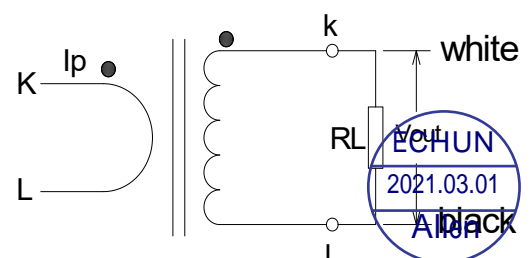
FEATURES

- 9mm window size (ID)
- Rigid case with UL 94V-0 durable plastic
- PVC wire leads 1569 24AWG cable output
- Approximate weight 7g
- ANSI C57.13 and IEC61869-2 Standards

Advantage

- Small size
- Low cost
- Excellent linearity over the whole range
- Fully RoHS Compliant

Connections Diagram



Change History

Date	Rev	Author	Description
10/06/2020	V0	Henry	Original
12/10/2020	V1	Henry	Cancel the wire stripped
3/1/2021	V2	Henry	Add peak current valure
			Add output curve figure

Output Curve Figure

CURRENT(A) BURDEN	1	10	20	30	40	50
10 Ω	10.02	100.07	200.26	300.48	385.42	431.8
50 Ω	50.02	501.85	956.56	1150.91	1275.3	1370.1
100 Ω	99.62	999.02	1444.67	1656.68	1808.45	1929.18
500 Ω	488.43	2153.6	2629.1	2931.9	3173.5	3367.2

