



# Shandong YUANXING Electronics Co., Ltd.

## Product Specification

**Description:** Current Transformer

**Part No.:** CTT6521-L-800A/5A

**Date:** 2023-05-19

| Customer Approval |         |          | Vendor Approval |           |              |
|-------------------|---------|----------|-----------------|-----------|--------------|
| Designer          | Checker | Approver | Designer        | Checker   | Approver     |
|                   |         |          | Xing Xiaoyan    | Yan Aiqin | Ma Hongliang |
| Approval Date:    |         |          | Approval Date:  |           |              |
|                   |         |          | 2023-05-19      |           |              |

## 1. Technical Specifications:

|                      |                                   |                                                                                                      |                              |                     |
|----------------------|-----------------------------------|------------------------------------------------------------------------------------------------------|------------------------------|---------------------|
| Working Environment  | Environment Temperature           | -40°C~+85°C                                                                                          | Storage Temperature          | -40°C~+85°C         |
|                      | Relative Humidity                 | ≤95%                                                                                                 | Atmospheric Pressure         | 80-110kPa           |
| Technical Parameters | Rated Primary Current             | 800A                                                                                                 | Linearity Range              | 5% In-120%In        |
|                      | Secondary Rated Current           | 5A                                                                                                   | Linearity Class              | 0.5                 |
|                      | Ratio Error at rated primary      | ≤±0.5%                                                                                               | Phase Error at rated primary | ≤30'                |
|                      | Rated Burden                      | 2.5VA                                                                                                | Working Frequency            | 50Hz—400Hz          |
|                      | Power Frequency Withstand Voltage | 3000V/min,1mA                                                                                        | Insulation Resistance        | 1000MΩ@500Vdc, 1min |
| Product Structure    | Primary Input                     | P1-P2                                                                                                | Same Polarity                | P1-S1               |
|                      | Secondary Output                  | AWM1015-16AWG black and white stranded wire, lead exposed length 800 ± 10mm, wire head tinned 5-10mm |                              |                     |
|                      | Case Material                     | UL 94-V0 flame retardant material                                                                    | Environmental Protection     | ROHS compliant      |

## 2. Outline Drawings, Schematic, Polarity Definition:

