

Description	Zero-Phase Current Transformer	Drawn Date	12/10/11
Part No.	ZT014100PL	Sample No.	2496

Mechanical Dimensions in mm

Top view dimensions: 30.0 (outer diameter), 14.7 (inner diameter).
 Side view dimensions: 9.2 (width), 32.2 (height), 5±1 (lead thickness), 100±5 (total height).
 Labels: L ← K, Epoxy, S F, ZT014-P.

Mechanical Specifications:
 International Tolerance(mm)

0~3	±0.1
3~6	±0.12
6~10	±0.15
10~18	±0.18
18~30	±0.20
30~50	±0.25
50~80	±0.30
80~120	±0.35

Test Circuit:

$V_{out} = I_s \times R_L$ $R_L = 1000\text{ohm}$

Photo:

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Electrical Specifications

Rated Primary Current 50Hz/60Hz(Amp.)	100(125)
Turns ratio	Np:Ns=1:1000
D.C.Resistance Max.at 20	55Ω
Rated Output Voltage (mV)	17min@Io=25mA, RL=1kΩ
Operating Temperature	-20~65
Storage Temperature	-25~85
Dielectric Withstanding Voltage (Hi-pot)	2.5KVrms/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Specifications

CUP	5010GN6-30 M8X(PBT)
Encapsulant	epoxy
Output terminal	UL1007 26 AWG PVC Wire Black
Approx.Weight	12g

Standard(s) & Edition Number for this evaluation:

IEEE C57.13 - STANDARD REQUIREMENTS FOR INSTRUMENT TRANSFORMERS - Edition 1 -

Issue Date 2008/03/27,

CSA C60044-1 - INSTRUMENT TRANSFORMERS – PART 1: CURRENT TRANSFORMERS - Edition 1

- Issue Date 2007/03/01

CSA C60044-2 - INSTRUMENT TRANSFORMERS – PART 2: INDUCTIVE VOLTAGE

TRANSFORMERS - Edition 1 - Issue Date 2007/03/01

ANSI/IEEE C57.13, "Standard Requirements for Instrument Transformers"

CAN3-C13-M83 "Instrument Transformers Certified for Canada - Component



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