



# Thousand Hundred Industrial CO.,LTD.

Customer Name	<b>T.H</b>	Drawn Date	12/08/09
Description	Mini-Precision Current Transformer	Sample Quantity	
Customer Part Name		'Customer DWG.No.	
T.H. Part No.	<b>CT101250PP01</b>	T.H. Sample No.	<b>2093A</b>

### Mechanical Dimensions in mm

**Front View:** Overall width 23.5mm, top width 7.0mm, bottom width 15.2mm, bottom width 19.0mm. Terminals 1, 2, 3, 4. Labels S, F, epoxy, 6. Dimensions 15.2, 19.0.

**Left View:** Overall height 25.0mm, top width 11.0mm, bottom width 10.3mm. Dimensions 11.0, 25.0, 10.3.

**Bottom View:** Shows terminal positions 1, 2, 3, 4.

### 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:

RL=100ohm

### Photo:

<p><b>China:</b>          No. 8 DongHuan 4th St. Chuang Ye 1st Rd. Jitigang,          HuangJiang Town. Dongguan City. Guang Dong. China.          Tel : +86-769-83367090 Fax : +86-769-83367590          E-mail: dgth@thic.net Http://www.thic.net</p>	<p><b>Taiwan:</b>          No.19.Lane 428,Sec 2.Chung Shan          Rd.,Hukou Hsinchu Taiwan,R.O.C          Tel : +886-3-599440(3 Line)          E-mail : fp@thic.net</p>
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## Electrical Specifications

Rated Primary Current(Amp.)	5nom(0.05~30max)					
Current Ratio	5A/2mA					
Turns ratio	Np:Ns=1:2500					
D.C.Resistance Max at 20 °C (Ω)	155					
Dielectric Withstanding Voltage(Hi-pot)	4000 Vrms/1mA/1Sec					
Accuracy class	0.2					
Primary Current(Arms)	5%	10%	20%	100%	120%	600%
Secondary Output Voltage for 100ohm Load Vout(V)	0.01	0.02	0.04	0.20	0.24	1.2

## Mechanical Specifications

CUP	5010GN6-30 M8X(PBT)
Encapsulant	epoxy
Output terminal	4PIN Φ1.0
Approx.Weight	16.0g



E318452



RoHS COMPLIANT

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## Measured Result:

Sample No.		5%	20%	100%	120%	DCR( $\Omega$ )
SPEC.	f(%)	$\pm 0.75$	$\pm 0.35$	$\pm 0.2$	$\pm 0.2$	155max
	$\delta$ (')	$\pm 30$	$\pm 15$	$\pm 10$	$\pm 10$	
1	f(%)	0.05	0.05	-0.05	-0.05	134.3
	$\delta$ (')	5.0	5	2.5	2.5	
2	f(%)	-0.1	-0.05	-0.05	-0.05	135.5
	$\delta$ (')	9.2	7.5	2.5	2.5	
3	f(%)	0.05	0.05	-0.05	-0.05	134.3
	$\delta$ (')	13.7	7.5	1.25	1.25	
4	f(%)	-0.05	-0.05	-0.05	-0.05	134.4
	$\delta$ (')	12.5	7.5	1.25	1.25	
5	f(%)	-0.1	-0.05	-0.05	-0.05	134.6
	$\delta$ (')	9.2	7.5	2.5	2.5	
— X	f(%)	-0.030	-0.010	-0.050	-0.050	134.62
	$\delta$ (')	9.9	7.0	2.0	2.0	
MAX	f(%)	0.050	0.050	-0.050	-0.050	135.50
	$\delta$ (')	13.7	7.5	2.5	2.5	
MIN	f(%)	-0.100	-0.050	-0.050	-0.050	134.30
	$\delta$ (')	5.0	5.0	1.3	1.3	

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### Taiwan:

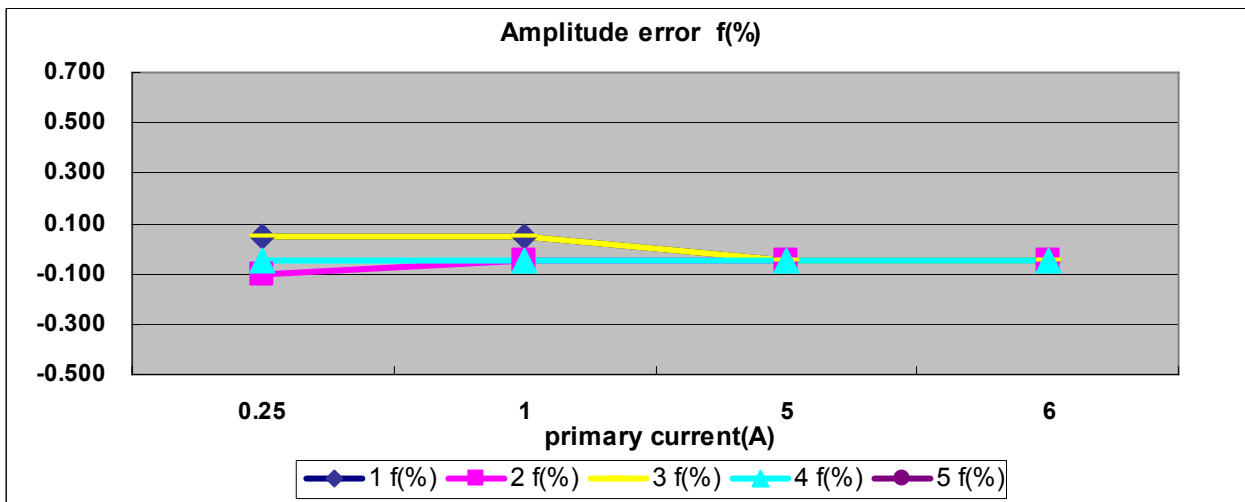
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### Output curve:

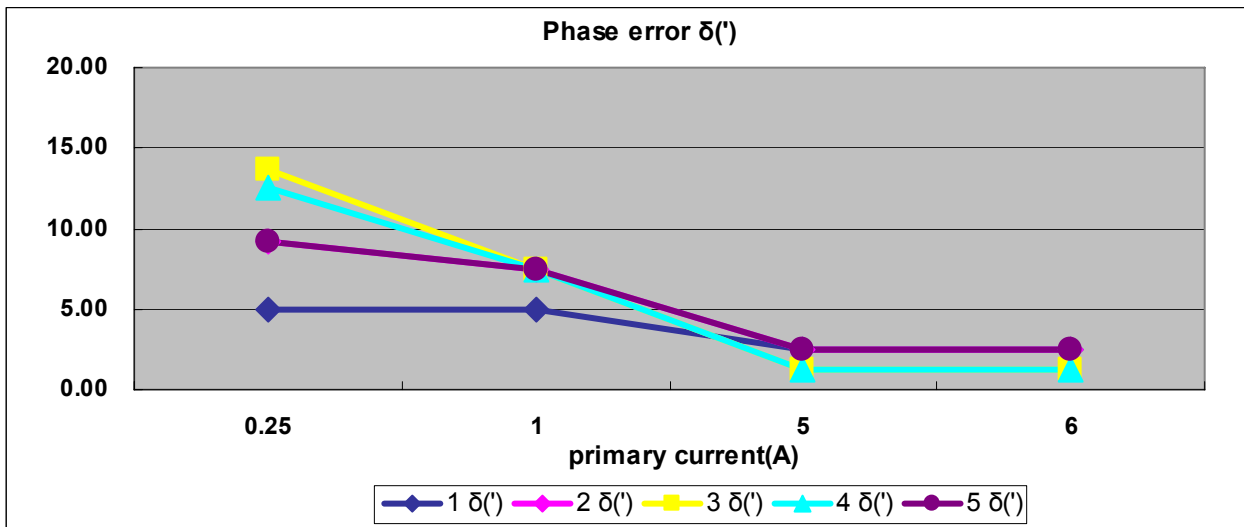


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## SGS , UL of the material used

NO	ITEM	Part No.	UL Card	SGS Card	SGS report Limit time	MATERIAL	NOTE
1	CORE	CRTR0190PATN0	/	008271-150-1	2010.09.02	TH85	
2	HOUSING	HSCT0235DG01	E53664	CE/2008/C1190A-03	2010.01.13	5010GN6-30 M8X	
3	CASE	CACT0210DG00	E53664	CE/2008/C1190A-03	2010.01.13	5010GN6-30 M8X	
4	WIRE	WR010NGS2U00	E201757	SZR0902068357103	2010.02.13	UEW/U	
5	EPOXY	CHEP3300LD00 CHEP3300LD01	E218090	SER0902068354103	2010.02.13	3300A 3300B	Select anyone
	EPOXY	CHEP9002HL00 CTEP9002HL01	E222812	SZHH00368555	2010.03.20	9002GA 9002GB	
6	PIN	PN1025ATCHX0	/	CANEC0803831202	2009.07.21	0.8TC	
7	SOLDER	CHSB9900JX00	/	CANML0904706801	2010.09.16	99.3%	

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