



Thousand Hundred Industrial CO.,LTD.

Customer Part No.	60A/24mA	Date Of Issue :	10/30/13
T.H. Part No.	CT105250CP05	T.H. Sample No.	2397E

Mechanical Dimensions in mm

Front View

Left View

Bottom View

Back side

Test Circuit:

Photo:

<p>China: Tel : +86-769-83367090 Fax :+86-769-83367590 E-mail:dgth@thic.net www.thic.net</p>	<p>Taiwan: Tel : +886-3-5994440 Fax:+886-3-5902243 E-mail : fp@thic.net www.thic.net</p>
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Electrical Specifications

Rated Primary Current(Amp.)	60nom(3~100max)
Current Ratio	60A/24mA
Turns ratio	Np:Ns=1:2500
D.C.Resistance at 20 °C (Ω)	220max
IDC min. at 20 °C(Amp.)	60
Accuracy @RL ≤ 12.5Ω	0.1%
Operating Temperature	-40~85°C
Storage Temperature	-45~90°C
Dielectric Withstanding Voltage(Hi-pot)	4KVrms/1mA/1min
Impluse Withstand Voltage	5KV Peak
Insulation Resistance	DC500V/100MΩ min

Mechanical Specifications

CUP	5010GN6-30 M8X(PBT)
Encapsulant	epoxy
Output terminal	4PIN Φ1.0
Approx weight	47g

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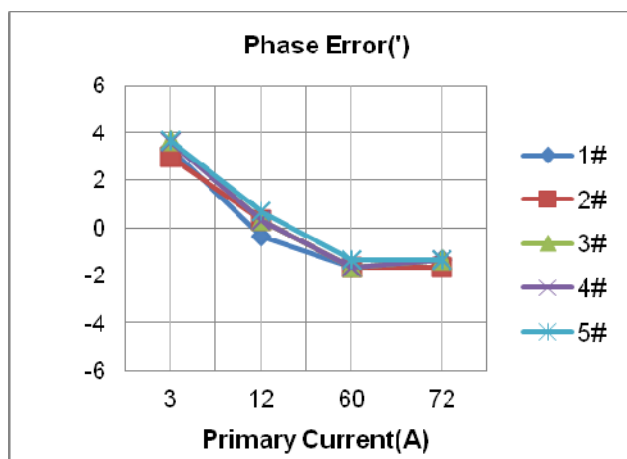
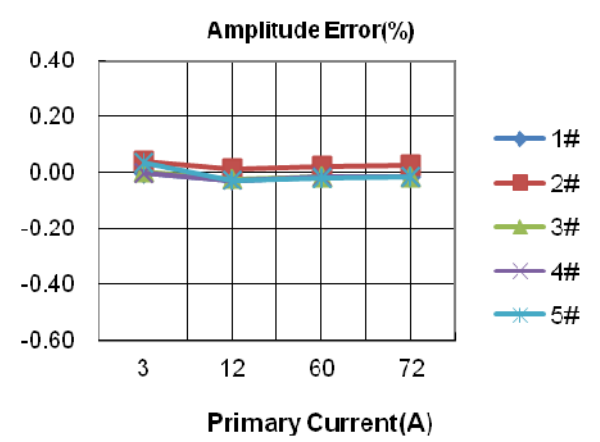
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Measured Result:

Current(A)		3	12	60	72	IDC(A)	DCR(Ω)
SPEC.	f(%)	± 0.4	± 0.25	± 0.2	± 0.1	60min	220MAX
	$\delta(^{\circ})$	± 15	± 10	± 8	± 5		
1	f(%)	0.00	-0.03	-0.02	-0.01	71.8	198.1
	$\delta(^{\circ})$	3.33	-0.33	-1.67	-1.33		
2	f(%)	0.04	0.01	0.02	0.02	70.8	196.8
	$\delta(^{\circ})$	3.00	0.33	-1.67	-1.67		
3	f(%)	0.00	-0.02	-0.01	-0.01	75.0	197.3
	$\delta(^{\circ})$	3.67	0.33	-1.67	-1.33		
4	f(%)	0.00	-0.03	-0.02	-0.02	69.0	197.3
	$\delta(^{\circ})$	3.60	0.33	-1.67	-1.33		
5	f(%)	0.03	-0.03	-0.02	-0.02	70.8	197.6
	$\delta(^{\circ})$	3.66	0.67	-1.33	-1.33		
AVE	f(%)	0.01	-0.02	-0.01	-0.01	71.5	197.4
	$\delta(^{\circ})$	3.45	0.27	-1.60	-1.40		
MAX	f(%)	0.00	-0.03	-0.02	-0.02	75.0	198.1
	$\delta(^{\circ})$	3.67	0.67	-1.33	-1.33		
MIN	f(%)	0.04	0.01	0.02	0.02	69.0	196.8
	$\delta(^{\circ})$	3.00	-0.33	-1.67	-1.67		

Output curve:



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MATERIAL LIST

NO	ITEM	Part No.	UL Card	MATERIAL	NOTE
1	CORE	CRTR0300HTHC0	/	1K101+1K107	
2	HOUSING	HSCT0388DG01	E107536	5010GN6-30M8X	
3	CASE	CACT0335DG01	E107536	5010GN6-30M8X	
4	WIRE	WR020NGS2U00	E201757	2UEW	
5	EPOXY	CHEP3300LD00	E218090	3300A	Select anyone
		CHEP3300LD01		3300B	
EPOXY	CHEP9002HL00	E222812	9002GA		
	CTEP9002HL01		9002GB		
6	PIN	PN1025CTCHX0	/	1.0TC	
7	SOLDER	CHSB9900JX00	/	99.3%	

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