







Thousand Hundred Industrial CO.,LTD.

Customer Name	助成	Date Of Issue :	11/21/22
Description	Split Core Transformer	Sample Quantity	
Customer Part No.	400A/333mV	Customer DWG.No.	
T.H. Part No.	CT24C400ST02	T.H. Sample No.	5021B

ACKNOWLEDGMENT SPECIFICATION FOR APPROVAL

Approved by	Checked by	Checked by	Engineering
			

CUSTOMER APPROVED

Approved by	Checked by	Acknowledged by



RoHS COMPLIANT

Drawn by: Ruili Lin

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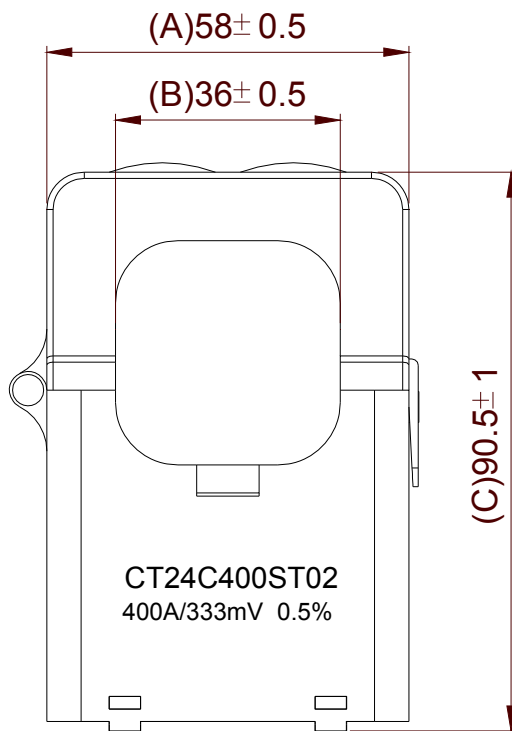


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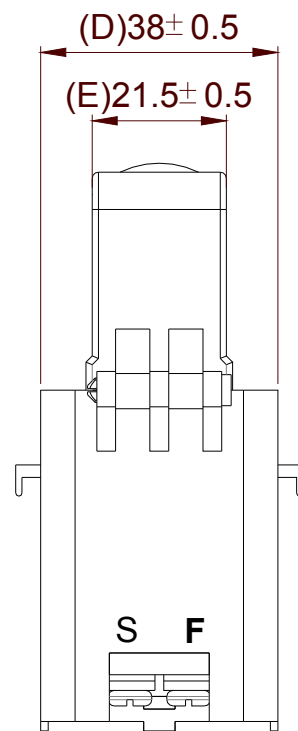
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Mechanical Dimensions in mm

Front view



Left view



Test Circuit:

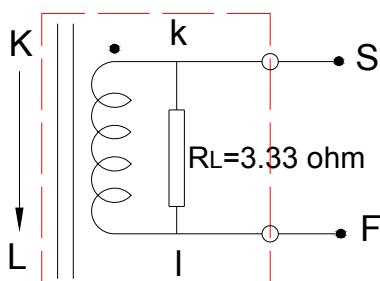


Photo:



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Electrical Specifications(@50Hz)

Rated Primary Current(Amp.)50Hz/60Hz	400A(20-480A max)
Turns Ratio	Np:Ns=1:4000
Current Ratio	400A/333mV
Secondary Output at Rated Current	333mV(resistor inside the CT)
Accuracy* @RL=3.33Ω	0.5%
Operating temperature	-40~85℃
Storage temperature	-45~90℃
Dielectric Withstanding Voltage(Hi-pot)	4KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min
Note	Insulated plastic case recognized according to UL 94-V0.

*Accuracy meets IEC/EN61869-2 & IEEE/ANSI C57.13.

Mechanical Specifications

CUP	PA66
Opening Angle	180 degree
Output Terminal	2 x M4-Screw, with Terminals cover
Approx.Weight	295g

Safety Standards

CE	EN50178 (LVD)
UKCA	BS EN 61869-6:2016 (EER) BS EN 61326-1:2013 (EMC)

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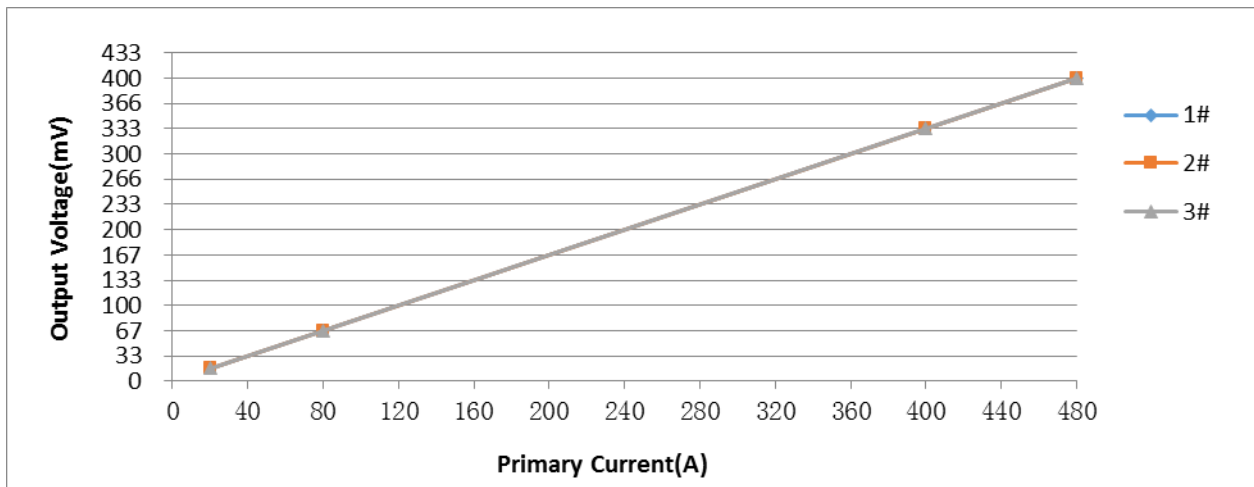
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Measured Result(@50Hz, room temperature): $RL=3.33\Omega$

Current(A)		20	80	400	480
SPEC	Vout(mV)	16.65	66.60	333.00	399.60
		±1.5%	±0.75%	±0.5%	±0.5%
		16.40	66.10	331.34	397.60
		16.90	67.10	334.67	401.60
1#	Vout(mV)	16.557	66.50	333.30	399.80
2#	Vout(mV)	16.570	66.56	333.20	399.90
3#	Vout(mV)	16.586	66.51	333.30	399.90
AVE	Vout(mV)	16.571	66.52	333.27	399.87
MAX	Vout(mV)	16.586	66.56	333.30	399.90
MIN	Vout(mV)	16.557	66.50	333.20	399.80

Output curve figure



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Material List

No.	ITEM	Part No.	UL File No.	CCN	MATERIAL	NOTE
1	CORE	CRSR0640STHN0	/	/	20JG or B20JG	
2	HOUSING	HSCVF000TH00	E41797	QMFZ2/8	PA66	No bottom cover
3	BOBBIN	BNCVF000TH00	E107536	QMFZ2/8	E202G15	
4	WIRE	WR020NGS2U01	E201757	OBMW2	UEWN/U	
5	TERMINAL	WJLS209	/	/	M4	
6	RESISTOR	RD3R33-0101	/	/	1/2W 3.33Ω	
7	SOLDER	CHSB0001XD01	/	/	Sn-0.3Ag-0.7Cu	

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