

CST-1025

Description:

Triad current sense transformers are used to detect the current passing through a conductor. These transformers are very reliable and operate efficiently at 50/60 Hz.

Electrical Specifications (@25C)

IP Amps	Turns Ratio ±3 Turns	Terminating Resistor		DCR (Ω) Nominal	Vmax (rms)		Net Weight Grams
25	1000:1	100Ω	.063 W	46	10V @ 50Hz	12V @ 60Hz	30

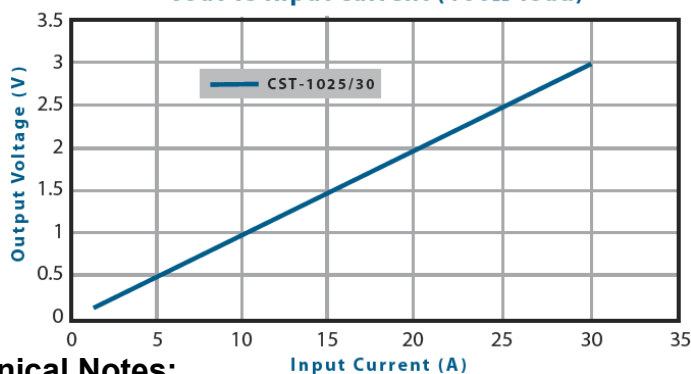
Dimensions:

A	B	C	D	E	F	G
30.20	30.20	14.30	20.32	10.16	11.40	10.16

Units: In mm

Response Curve:

Vout vs Input current (100Ω load)



Technical Notes:

1. Pin3 for mechanical support only.
2. Pin diameter: 0.8±0.1 mm.
3. Pin length: 5±1mm.
4. $V_L = V_{max} - \left(\frac{I_s \times DCR}{Turns\ Ratio} \right), I_s = \frac{I_p}{Turns\ Ratio}$
5. Primary to secondary isolation: 4000VAC, 60Hz
6. Operating Temperature: -10°C to +65°C
7. Storage Temperature: -25~85°C
8. Accuracy Class: 5% from 3Arms - 30Arms w/ 100Ω burden.
9. Burden value can be reduced to increase current capability above 30Arms. Adjust burden value inversely proportional to input current.

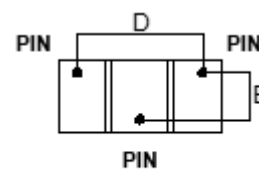
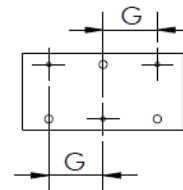
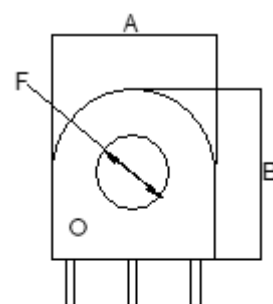
Agency Files:

UL file E205349 – Component, Instrument Transformer (XODW2)



RoHS Compliance: As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see <http://www.combustion.com/faq.html>



BOTTOM VIEW

