

CST-1030

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)

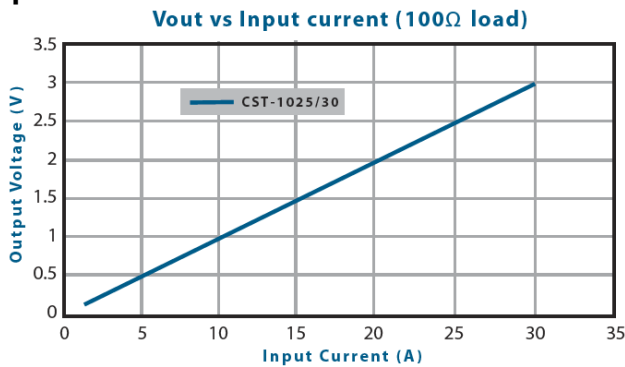
IP Amps	Turns Ratio ±3 Turns	Terminating Resistor	DCR (Ω) Nominal	Vmax (rms)		Net Weight Grams
30	1000:1	100Ω .09W	46	10V @ 50Hz	12V @ 60Hz	30

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:



Technical Notes:

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

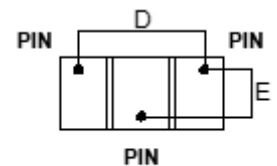
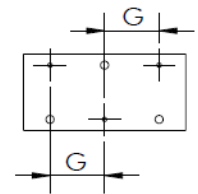
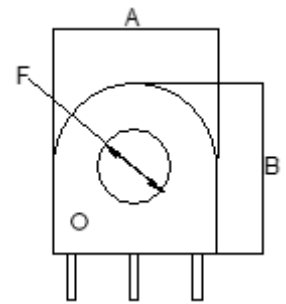
Agency Files:

UL file E205349 – Component, Instrument Transformer (XODW2)

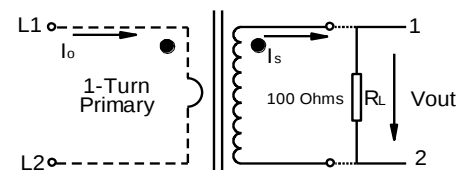


RoHS Compliance: As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

*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.triadmagnetics.com/faq.html>



BOTTOM VIEW



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