

## CST-1020

### 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<br>Amps | Turns<br>Ratio | Terminating<br>Resistor |      | DCR<br>( $\Omega$ )<br>Nominal | Volts/Amp@ rated IP<br>for various loads ( $\Omega$ ) |       |       |       | Net<br>Weight<br>Grams |
|------------|----------------|-------------------------|------|--------------------------------|---|-------|-------|-------|------------------------|
|            |                |                         |      |                                | 100   | 500   | 2K    | 5K    |                        |
|            |                | $\pm 3$ Turns           | Ohms | Watts                          |   |       |       |       |                        |
| 20         | 1000:1         | 100                     | .04  | 40                             | .0977   | .3943 | .6174 | .7662 | 20                     |

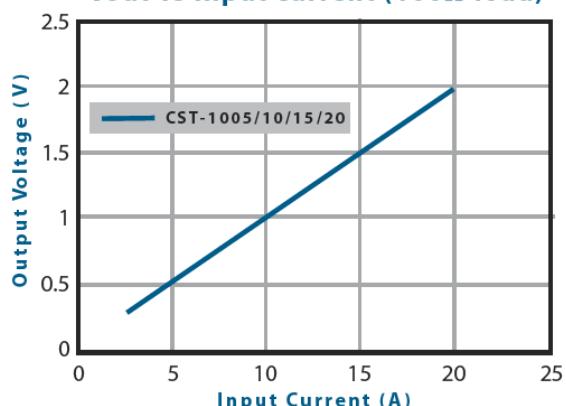
### Dimensions:

| A     | B     | C     | D     | E    | F    | G    |
|-------|-------|-------|-------|------|------|------|
| 23.50 | 24.80 | 12.00 | 15.00 | 7.50 | 8.50 | 7.50 |

Units: In mm

### Response Curves:

Vout vs Input current (100 $\Omega$  load)



### Technical Notes:

1. Pin3 for mechanical support only.
2. Pin diameter is  $0.8 \pm 0.1$  mm.
3. Pin length is  $5 \pm 1$  mm.
4. Accuracy:  $\pm 3\%$  from 2A – 20A.
5. Operating Temperature:  $-10 \sim 65^\circ\text{C}$
6. Storage Temperature:  $-25 \sim 85^\circ\text{C}$

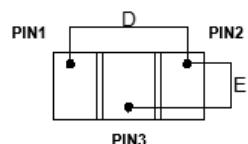
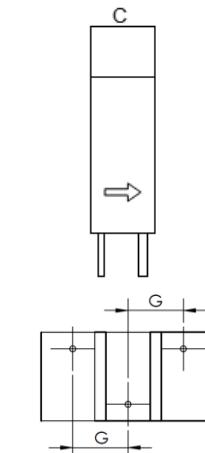
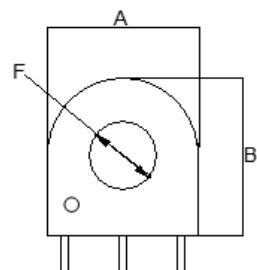
### Agency Files:

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

