

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

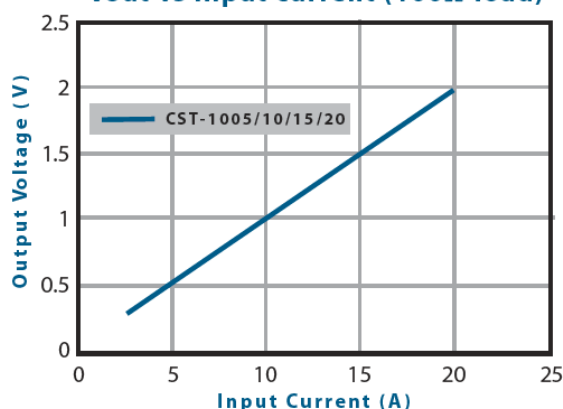
#### Dimensions:

| 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 (100Ω load)



#### Technical Notes:

1. Pin3 for mechanical support only.
2. Pin diameter is 0.8±0.1 mm.
3. Pin length is 5±1mm.
4. Accuracy: ±3% from 2A – 20A.
5. Operating Temperature: -10~65°C
6. Storage Temperature: -25~85°C

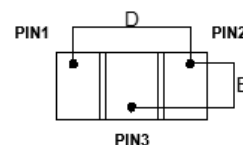
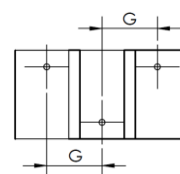
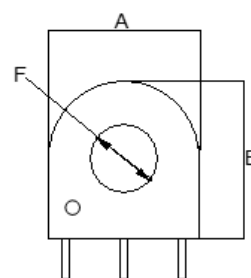
#### Agency Files:

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

