

## Current Sense / Low Frequency Transformers

# C S E 1 8 5 L

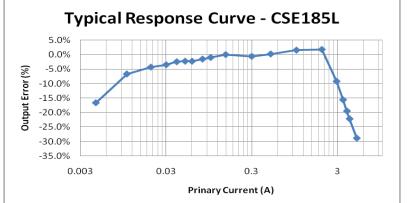
#### **Description:**

Triad's low frequency current sense transformers are designed to monitor current from 0.1 to 3 ampere at frequencies from 50 Hz to 400 Hz.

#### Electrical Specifications at 25° C:

Turns ratio: Primary to sense 1: 50 Suggested burden resistor:  $60\Omega$ Typical output: 110mV/AmpPrimary DCR:  $19.5 m\Omega$  maximum Sense DCR:  $23 \Omega$  maximum Operating Temperature:  $-30^{\circ}$ C to  $95^{\circ}$ C Storage Temperature:  $-50^{\circ}$ C to  $125^{\circ}$ C Maximum input: 3Arms, 0-240VAC circuit Maximum output voltage: 4.0Vrms. Burden resistor value must be selected to not exceed this voltage. Energy Time (E.T.):  $30000V \mu$ S

#### **Response Curve:**



### **Construction:**

These transformers are provided with Recognized Component electrical insulation system (OBJY2), Class 130 (B), designated "B3". Products are designed, built and 100% tested for a hi-pot of 2500V, winding to winding and 1250V, winding to core.

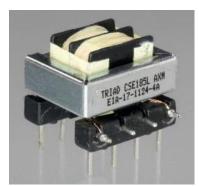
#### **Agency Files:**

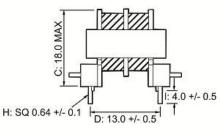
UL file E50476 – Electrical Insulation Systems, Class "B3", 130C UL file E205349 – Component, Instrument Transformer (XODW2)

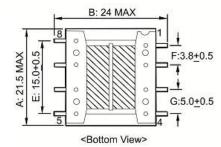
**RoHS Compliance:** As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

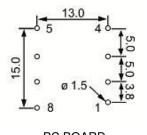
\*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see http://www.triadmagnetics.com/faq.html

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PC BOARD LAYOUT