



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Current Sense / Low Frequency Transformers

### CSE187L - P

#### Description:

Triad's low frequency current sense transformers are designed to monitor current from 0.1 to 30 amperes at frequencies from 50 Hz to 400 Hz. This product is also available in open coil construction as CSE187L.

#### Electrical Specifications at 25° C:

**Turns ratio:** Primary to sense 1: 500

**Suggested burden resistor:** 60Ω for 110mV/A

**Primary DCR:** 270 micro ohms maximum

**Sense DCR:** 21 ohms maximum

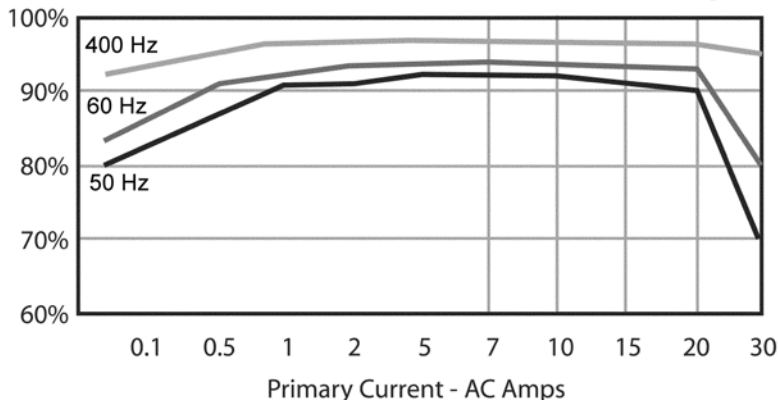
**Operating Temperature:** -40°C to 105°C

**Storage Temperature:** -50°C to 125°C

**Maximum input:** 30Arms, 0-240VAC circuit

**Maximum output voltage:** 4.0Vrms. Burden resistor value must be selected to not exceed this voltage.

#### Response Curve:



#### Construction:

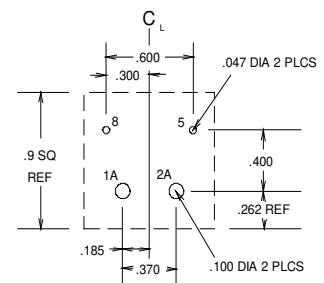
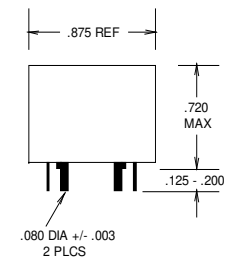
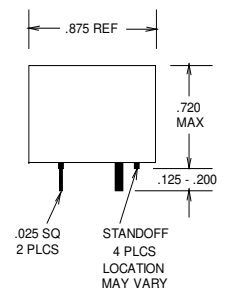
These transformers are provided with Recognized Component electrical insulation system (OBJY2), Class 130 (B), designated "B3". Products are designed, built and 100% tested for a hi-pot of 4000V winding to winding.

#### Agency Files:

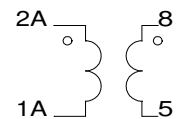
UL file E50476 – Electrical Insulation Systems, Class "B3", 130C  
 UL file E205349 – Component, Instrument Transformer (XODW2)

**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS 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.com.triadmagnetics.com/faq.html>



MOUNTING HOLE PATTERN  
TOP OF PCB



SCHEMATIC

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