

### CSE180L-series

**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.

**Suggested burden resistor:** 60Ω

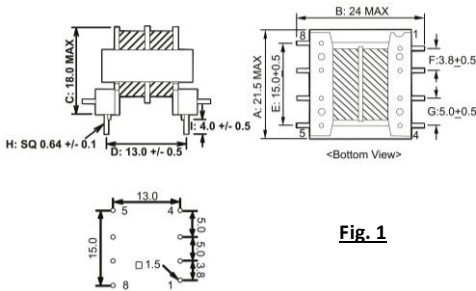
**Operating Temperature:** -30°C to 95°C

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

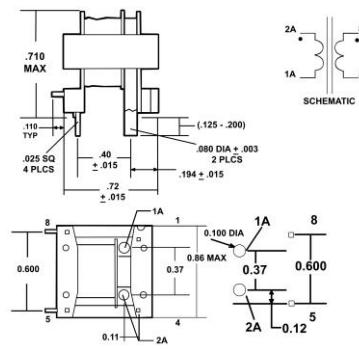
**Maximum output voltage:** 4.0Vrms. Burden resistor value must be selected to not exceed this voltage.

**Electrical Specifications (@25C):**

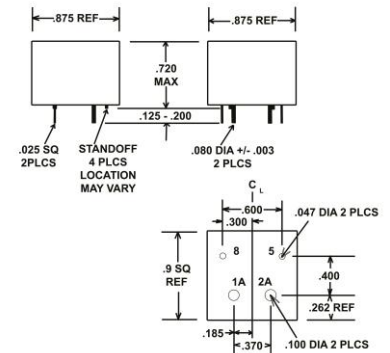
Triad P/N	Current rating Arms	V*usec ET Product (Max)	Turns Ratio	Primary DCR mΩ Max	Secondary DCR mΩ Max	Figure	Construction
CSE184L	1	30000	1:16.67	125	23	1	Open frame
CSE185L	3	30000	1:50	19.5	23	1	Open frame
CSE186L	10	30000	1:166	2.0	23	2	Open frame
*CSE187L	30	30000	1:500	0.27	21	3	Open frame
*CSE187L-P	30	30000	1:500	0.25	21	4	Potted



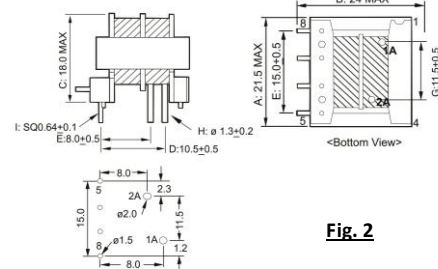
**Fig. 1**



**Fig. 3**



**Fig. 4**



**Fig. 2**

**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 E205349 – Component, Instrument Transformer (XODW2) – CSE187L and CSE187L-P only.  
UL file E50476 – Electrical Insulation Systems, Class "B3", 130C

**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>