

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.

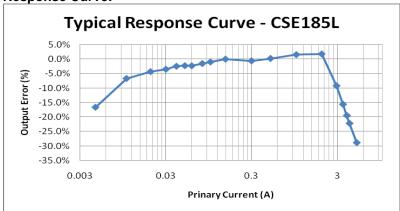
Electrical Specifications at 25° C: Turns ratio: Primary to sense 1: 50 Suggested burden resistor: 60Ω Typical output: 110mV/Amp Primary DCR: $19.5\text{ m}\Omega$ maximum Sense DCR: 23Ω maximum

Operating Temperature: -30°C to 95°C Storage Temperature: -50°C to 125°C Maximum input: 3Arms, 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 2500V, winding to winding and 1250V, winding to core.

Agency Files:

UL file E50476 - Electrical Insulation Systems, Class "B3", 130C

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.triadmagnetics.com/faq.html

