

### TCT50-07E07K

#### Description:

Triad control transformers come with tamper resistant shrouds for safety and a steel bracket welded to the bottom of the transformer for ease of mounting. These transformers are design and have the safety agency recognition for application where a Class 2 transformer is necessary. Some of the applications would include, but not limited to HVAC, Control boards, Lighting, etc.

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

1. Maximum Power: 50VA
  2. \*Input (BLK-WHT): 120V, 50/60 Hz, (**Fuse: 0.500A Max**)  
(BLK-BLU): 208V, 50/60Hz, (**Fuse: 0.300A Max**)  
(BLK-RED): 240V, 50/60Hz, (**Fuse: 0.300A Max**)
  3. Output (BLU-BLU): 12V @ 4.17Amps
  4. Voltage Regulation: 15% TYP @ full load to no load
  5. Temperature Rise: <40°C TYP
  6. Hipot: 1500VAC – Input to Output, Input & Output to Core
  7. Recommended Fusing: UL Listed, 3AG time-delay type.
- \* Only one input voltage to be applied to primary at any time.

#### Construction:

Three flange bobbin construction with primaries and secondaries wound side by side for low capacitive coupling. Unit weight is 2.0 lbs.

#### Agency File:

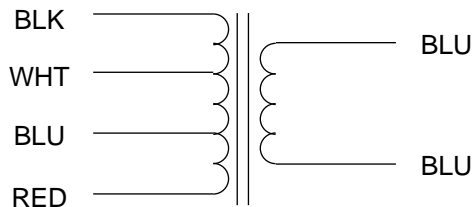
UL: File E65390, UL 5085-3 (1585), Class 2 Transformer  
cUL: File E65390, UL 5085-3 (1585) For Canadian Use (CSA 22.2, No.66.3-06)



#### Connections:

Input: 12±1" (305mm) insulated leads, stripped and tinned 0.20±0.08", stranded 18 AWG, UL 1015 lead wire.  
Output: 12±1" (305mm) insulated leads, stripped and tinned 0.20±0.08", stranded 18 AWG, UL 1015 lead wire.

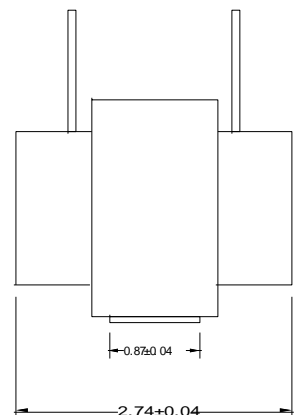
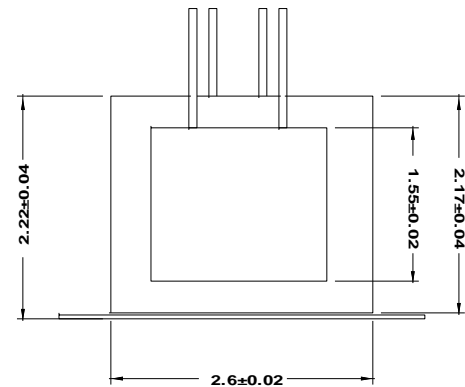
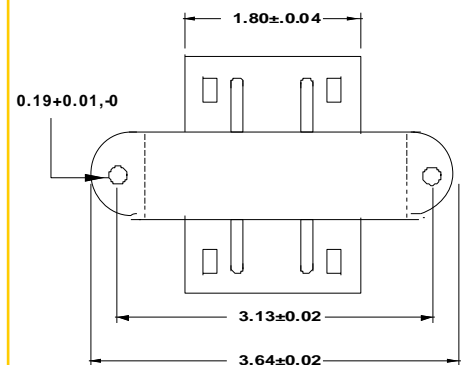
#### Schematic:



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

As of April 7, 2008, UL standards 506 and 1585 will be migrated to UL 5085-2 and 5085-3, respectively.

\* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.



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