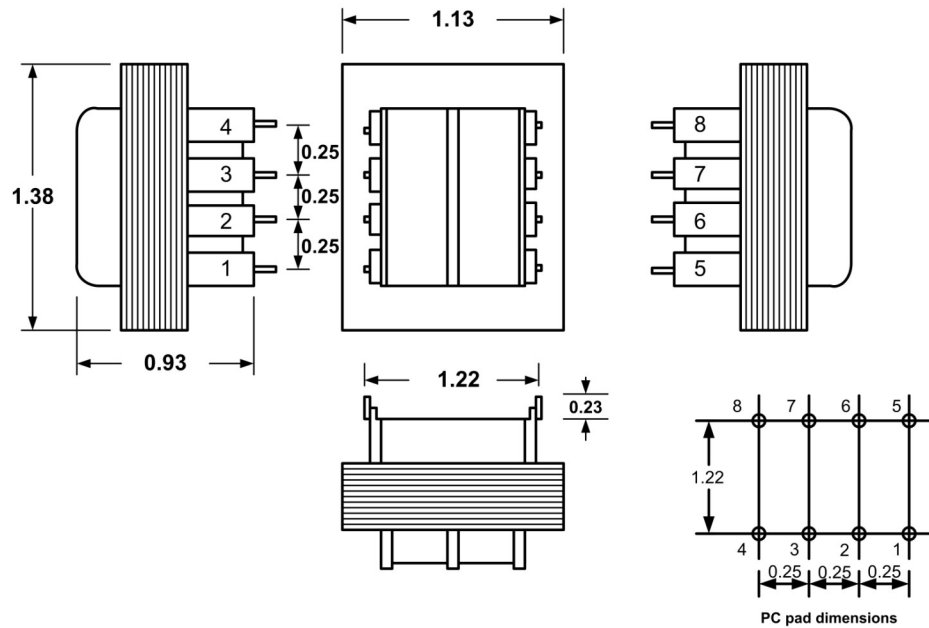


# CAPTAIN CLASS - PRINTED CIRCUIT MOUNT, STANDARD PROFILE POWER TRANSFORMER



## 1. Electrical Specifications

- A. Maximum Power: 1.1VA
- B. Input Voltage and Frequency: 115V, 115/230V, 230V @ 50/60Hz
- C. Voltage Regulation: 25% TYP @ Full Load to No Load
- D. Temperature Rise: 20°C TYP
- E. Insulation Resistance: > 1 MEG ohm
- F. Hi-Pot: 2500Vrms 1 minute @ Pri to Sec  
2500Vrms 1 minute @ Pri to Core  
1500Vrms 1 minute @ Sec to Core

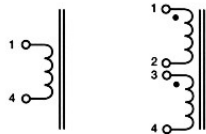
2. Marking: Ensign Corp, part number (see table), date code, terminal numbers

## 3. Safety:

- UL/cUL 5085-2 Recognized (File 47299)
- UL 1446 Recognized Insulation System (File 95662)
- UL/cUL 5085-3 Class 2 Recognized (File E43609), models marked (\*)



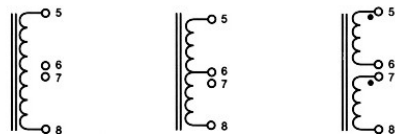
### Primary Schematics



**Single Input**  
(Specify 115V, 120V, 230V or 240V)

**Dual Input**  
(Specify 115/230V or 120/240V)

### Secondary Schematics



**Single Output**

**Center-Tapped Output**

**Dual Output**

Part Number			Series Connection	Parallel Connection
115V	115/230V	230V		
P001-1-010X*	P001-2-010X*	P001-3-010X*	10VCT @ 0.11A	5V @ 0.22A
P001-1-012X*	P001-2-012X*	P001-3-012X*	12.6VCT @ 0.09A	6.3V @ 0.18A
P001-1-016X*	P001-2-016X*	P001-3-016X*	16VCT @ 0.07A	8V @ 0.14A
P001-1-020X*	P001-2-020X*	P001-3-020X*	20VCT @ 0.055A	10V @ 0.11A
P001-1-024X	P001-2-024X	P001-3-024X	24VCT @ 0.045A	12V @ 0.09A
P001-1-028X	P001-2-028X	P001-3-028X	28VCT @ 0.04A	14V @ 0.08A
P001-1-036X	P001-2-036X	P001-3-036X	36VCT @ 0.03A	18V @ 0.06A
P001-1-048X	P001-2-048X	P001-3-048X	48VCT @ 0.023A	24V @ 0.046A
P001-1-056X	P001-2-056X	P001-3-056X	56VCT @ 0.02A	28V @ 0.04A
P001-1-120X	P001-2-120X	P001-3-120X	120VCT @ 0.01A	60V @ 0.02A



## POWER TRANSFORMER CAPTAIN CLASS

**P001-1-XXXX**  
**P001-2-XXXX**  
**P001-3-XXXX**

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

**Ensign Corporation**  
201 ENSIGN RD., BELLEVUE, IA 52031

Dim: Inches

Sheet 1 of 1

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH ENSIGN RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING