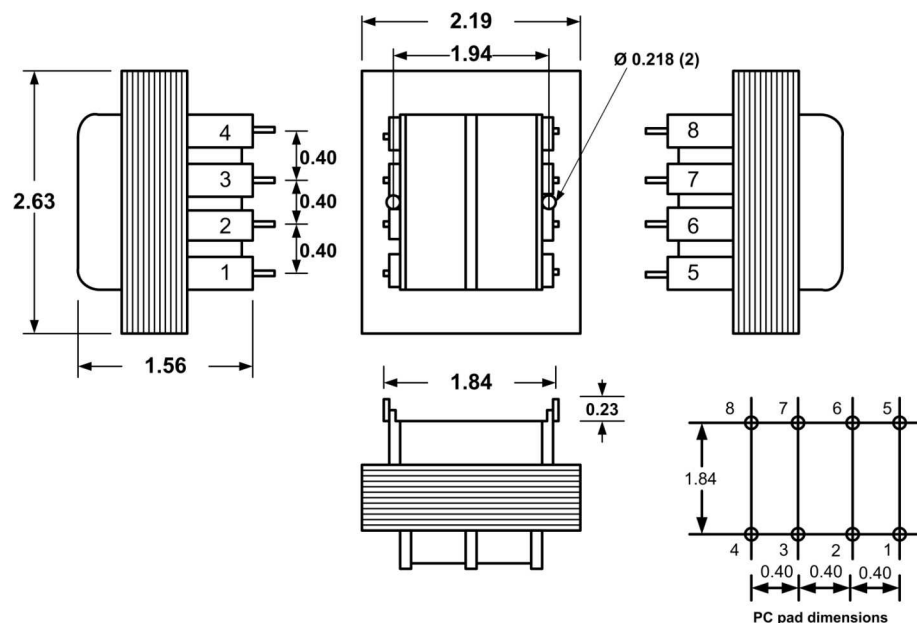


# CAPTAIN CLASS - PRINTED CIRCUIT MOUNT, STANDARD PROFILE POWER TRANSFORMER



## 1. Electrical Specifications

- Maximum Power: 36VA
- Input Voltage and Frequency: 115V, 115/230V, 230V @ 50/60Hz
- Voltage Regulation: 13% TYP @ Full Load to No Load
- Temperature Rise: 40°C TYP
- Insulation Resistance: > 1 MEG ohm
- Hi-Pot: 2500 Vrms 1 minute @ Pri to Sec  
2500 Vrms 1 minute @ Pri to Core  
1500 Vrms 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)

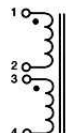
UL 1446 Recognized Insulation System (File 95662)



## Primary Schematics

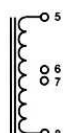


**Single Input**  
(Specify 115V, 120V, 230V or 240V)

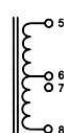


**Dual Input**  
(Specify 115/230V or 120/240V)

## Secondary Schematics



**Single Output**



**Center-Tapped Output**



**Dual Output**

| Part No.    |             |             |                   |                     |
|-------------|-------------|-------------|-------------------|---------------------|
| 115V        | 115/230V    | 230V        | Series Connection | Parallel Connection |
| P036-1-010X | P036-2-010X | P036-3-010X | 10VCT @ 3.6A      | 5V @ 7.2A           |
| P036-1-012X | P036-2-012X | P036-3-012X | 12.6VCT @ 2.85A   | 6.3V @ 5.7A         |
| P036-1-016X | P036-2-016X | P036-3-016X | 16VCT @ 2.25A     | 8V @ 4.5A           |
| P036-1-020X | P036-2-020X | P036-3-020X | 20VCT @ 1.8A      | 10V @ 3.6A          |
| P036-1-024X | P036-2-024X | P036-3-024X | 24VCT @ 1.5A      | 12V @ 3.0A          |
| P036-1-028X | P036-2-028X | P036-3-028X | 28VCT @ 1.3A      | 14V @ 2.6A          |
| P036-1-036X | P036-2-036X | P036-3-036X | 36VCT @ 1.0A      | 18V @ 2.0A          |
| P036-1-048X | P036-2-048X | P036-3-048X | 48VCT @ 0.75A     | 24V @ 1.5A          |
| P036-1-056X | P036-2-056X | P036-3-056X | 56VCT @ 0.65A     | 28V @ 1.3A          |
| P036-1-120X | P036-2-120X | P036-3-120X | 120VCT @ 0.3A     | 60V @ 0.6A          |



## POWER TRANSFORMER CAPTAIN CLASS

**P036-1-XXXX**  
**P036-2-XXXX**  
**P036-3-XXXX**

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

Dim: Inches

Sheet 1 of 1

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