

# NAVIGATOR CLASS - PRINTED CIRCUIT MOUNT, LOW PROFILE POWER TRANSFORMER

## 1. Electrical Specifications

- A. Maximum Power: 24VA
- B. Input Voltage and Frequency: 115/230V, 50/60Hz
- C. Voltage Regulation: 16% TYP @ full load to no load
- D. Temperature Rise: 35°C TYP
- E. Insulation Resistance: < 1MEG ohm

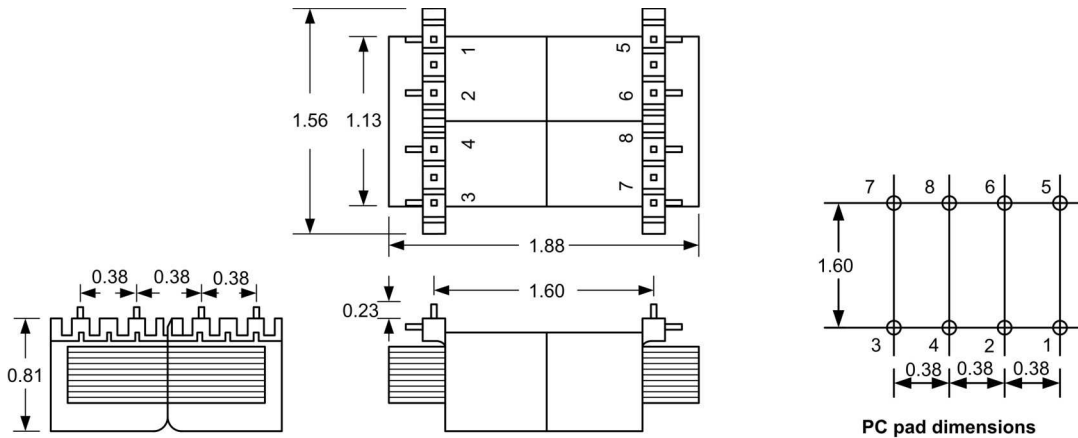
- F. Hi-Pot: 2500Vrms 1 minute @ Pri to Sec  
2500Vrms 1 minute @ Pri to Core  
1500Vrms 1 minute @ Sec to Core

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

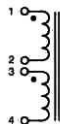
## 3. Safety:

UL/cUL 5085-2 Recognized (File 47299)

UL 1446 Recognized Insulation System (File 95662)

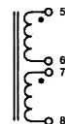


### Primary Schematics



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

### Secondary Schematics



Dual Output

| Part Number | Series Connection | Parallel Connection |
|-------------|-------------------|---------------------|
| 115/230V    |                   |                     |
| U024-2-010X | 10VCT @ 2.4A      | 5V @ 4.8A           |
| U024-2-012X | 12.6VCT @ 1.90A   | 6.3V @ 3.8A         |
| U024-2-016X | 16VCT @ 1.5A      | 8V @ 3.0A           |
| U024-2-020X | 20VCT @ 1.2A      | 10V @ 2.4A          |
| U024-2-024X | 24VCT @ 1.0A      | 12V @ 2.0A          |
| U024-2-030X | 30VCT @ 800mA     | 15V @ 1.6A          |
| U024-2-034X | 34VCT @ 700mA     | 17V @ 1.4A          |
| U024-2-040X | 40VCT @ 600mA     | 20V @ 1.2A          |
| U024-2-056X | 56VCT @ 425mA     | 28V @ 850mA         |



**POWER TRANSFORMER  
NAVIGATOR CLASS**

**U024-2-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

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