

REV. Status

Revision -  
3/16/91 TS

Revision A  
TEMECULA  
WAS  
CARSON.  
NEW N.P.  
12/15/92 TS

Revision B  
ADDED DUAL  
MARKING.  
6/14/99 TS

LOW PROFILE THREE FLANGE 12VA POWER TRANSFORMER APPROVED TO UL506 AND CSA C22.2 NO. 66-1988 AND USES A UL CLASS B (130°C) APPROVED INSULATION SYSTEM

A. Electrical Specifications (@ 25 ° C)

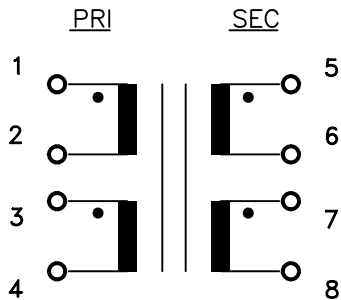
1. Maximum Power; 12VA
2. Input Voltage and Frequency; 115/230V 50/60Hz
3. Output Voltage; 24V±5% @ 0.5A load, series  
12V±5% @ 1.0A load, parallel
4. Voltage Regulation; 20% TYP @ full load to no load
5. Insulation Resistance;  
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core, Sec to Core
6. Hi-Pot;  
1500 Vrms 1 minute @ Pri to Sec, Pri to Core  
1500 Vrms 1 minute @ Sec to Core

B. Marking; 3FL24-500, TAMURA TEMECULA CA, MICROTRAN, PF12-24, date code, country of origin, input and output ratings, terminal numbers, safety symbols and "130B".

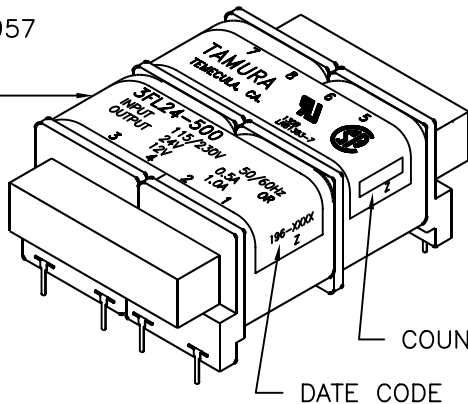
C. Safety:

UL approved, File E145619  
Insulation Class B (130° C) File E92957  
CSA Certified, File LR81383-7

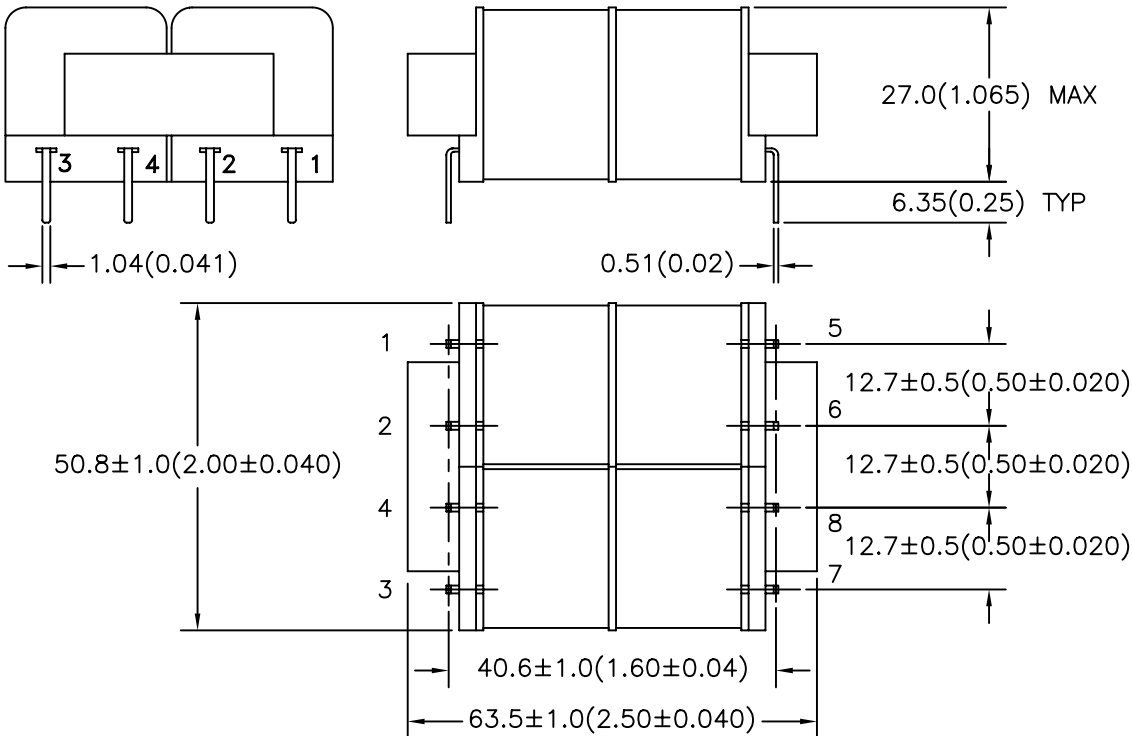
D. Schematic Diagram:



MICROTRAN  
PF12-24



E. Mechanical Specifications:



TOLERANCES (mm)	
≤ 4	± 0.2
4 ≤ 20	± 0.3
20 ≤ 50	± 0.4

PREPARED BY:

D. Rund

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.  
P-A1-10586  
ACAD\3F\A1105861.DWG

REV  
B

3 FLANGE BOBBIN  
POWER TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

**3FL24-500**

MODEL SPECIFICATION

DIM: mm(In) SCL: NONE SH: 1 OF 1

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MODEL NUMBER

**3FL24-500**

# Mouser Electronics

Authorized Distributor

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Tamura:

3FL24-500