

# FLATSTACK® LOW PROFILE POWER TRANSFORMERS



CSA22.2 No 66  
File # LR81383-7

## 130B\*\*

File No. E92957



UL506,  
File # E145619, E79781

**MICROTRAN.**

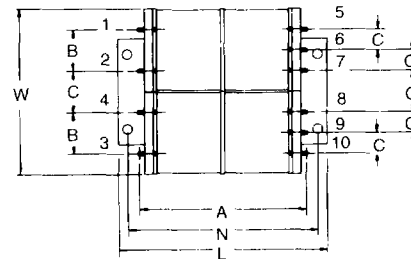
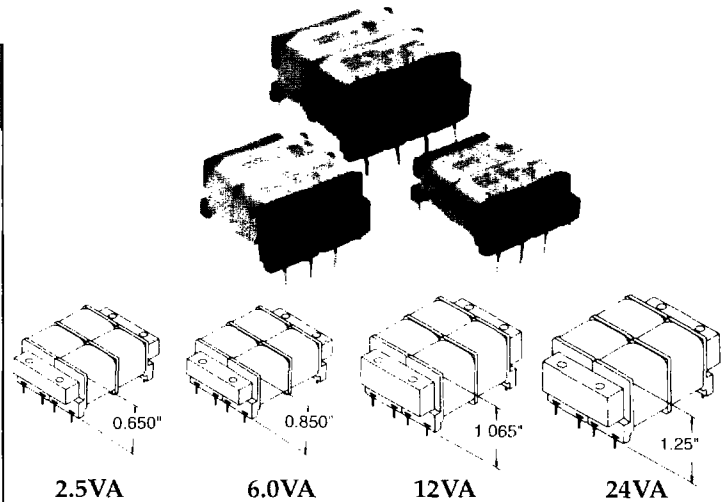
For Low Height PC Board Solid-State Power, Control, and Instrumentation Applications.

### FEATURES

- Three Flange Bobbin.
- 1500Vrms hi-pot.
- 115/230VAC, 50/60Hz., Dual Primary.
- Low Profile: 0.65", 0.85", 1.065", 1.25" Heights.
- 4 Sizes: 2.5, 6.0, 12 and 24VA Ratings.
- NL-FL Regulation: 30%; 12VA, 20%
- Tube Packaged.
- 80 Models Stocked.
- Competitive Prices.
- Drop-in compatibility.
- DC Power Supply Models.
- 130B or 3FL series.

### LOW PROFILE SERIES MODELS AND RATINGS

3FL10-250	PF2.5-10	2.5	5.0	.500	10.0 CT	.250
3FL10-600	PF6-10	6.0	5.0	1.200	10.0 CT	.600
3FL10-1200	PF12-10	12.0	5.0	2.400	10.0 CT	1.200
PF24-10	PF24-10	24.0	5.0	4.800	10.0 CT	2.400
3FL12-200	PF2.5-12	2.5	6.3	.400	12.6 CT	.200
3FL12-475	PF6-12	6.0	6.3	.900	12.6 CT	.450
3FL12-950	PF12-12	12.0	6.3	1.900	12.6 CT	.950
PF24-12	PF24-12	24.0	6.3	3.800	12.6 CT	1.900
3FL16-150	PF2.5-16	2.5	8.0	.300	16.0 CT	.150
3FL16-350	PF6-16	6.0	8.0	.700	16.0 CT	.350
3FL16-700	PF12-16	12.0	8.0	1.500	16.0 CT	.750
PF24-16	PF24-16	24.0	8.0	3.000	16.0 CT	1.500
3FL20-125	PF2.5-20	2.5	10.0	.250	20.0 CT	.125
3FL20-300	PF6-20	6.0	10.0	.600	20.0 CT	.300
3FL20-600	PF12-20	12.0	10.0	1.200	20.0 CT	.600
PF24-20	PF24-20	24.0	10.0	2.400	20.0 CT	1.200
3FL24-100	PF2.5-24	2.5	12.0	.200	24.0 CT	.100
3FL24-250	PF6-24	6.0	12.0	.500	24.0 CT	.250
3FL24-500	PF12-24	12.0	12.0	1.000	24.0 CT	.500
PF24-24	PF24-24	24.0	12.0	2.000	24.0 CT	1.000
3FL30-85	PF2.5-30	2.5	15.0	.170	30.0 CT	.085
3FL30-200	PF6-30	6.0	15.0	.400	30.0 CT	.200
3FL30-400	PF12-30	12.0	15.0	.800	30.0 CT	.400
PF24-30	PF24-30	24.0	15.0	1.600	30.0 CT	.800
3FL34-75	PF2.5-34	2.5	17.0	.150	34.0 CT	.075
3FL34-170	PF6-34	6.0	17.0	.340	34.0 CT	.170
3FL34-340	PF12-34	12.0	17.0	.700	34.0 CT	.350
PF24-34	PF24-34	24.0	17.0	1.400	34.0 CT	.700
3FL40-60	3FL-40-60	2.5	20.0	.120	40.0 CT	.060
3FL40-150	3FL-40-150	6.0	20.0	.300	40.0 CT	.150
3FL40-300	3FL-40-300	12.0	20.0	.600	40.0 CT	.300
3FL56-45	PF2.5-56	2.5	28.0	.090	56.0 CT	.045
3FL56-100	PF6-56	6.0	28.0	.200	56.0 CT	.100
3FL56-200	PF12-56	12.0	28.0	.420	56.0 CT	.210
PF24-56	PF24-56	24.0	28.0	.850	56.0 CT	.430
3FL88-28	3FL-88-28	2.5	44.0	.056	88.0 CT	.028
3FL88-65	FL-88-65	6.0	44.0	.130	88.0 CT	.065
3FL88-130	3FL-88-130	12.0	44.0	.260	88.0 CT	.130
3FL120-20	3FL-120-20	2.5	60.0	.040	120.0 CT	.020
3FL120-50	3FL-120-50	6.0	60.0	.100	120.0 CT	.050
3FL120-100	3FL-120-100	12.0	60.0	.200	120.0 CT	.100
3FL230-10	3FL-230-10	2.5	115.0	.020	230.0 CT	.010
3FL230-25	3FL-230-25	6.0	115.0	.050	230.0 CT	.025
3FL230-50	3FL-230-50	12.0	115.0	.100	230.0 CT	.050



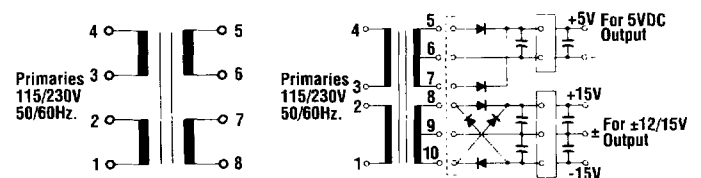
PIN DIMENSIONS 0.091 X 0.02

### DIMENSIONS AND WEIGHTS<sup>1</sup>

2.5	1.60	0.375	0.187	1.87	1.56	0.650	5
6.0	1.60	0.375	0.187	1.87	1.56	0.850	7
12.0	2.00	0.500	0.250	2.50	2.00	1.065	11
24.0	1.90	0.530	0.300	2.87	2.25	1.25	15

Note 1: Dimensions in inches. Weight in oz.  
Note 2: Output config has 10 pins all others 8 pins (omit pin 6 & 9).  
Note 3: Ratings based on 120V nominal input

### SCHEMATICS<sup>3</sup>



SPLIT SECONDARY SCHEMATIC

TRIPLE OUTPUT SCHEMATIC

### TRIPLE OUTPUT TRANSFORMERS FOR REGULATED & UNREGULATED POWER SUPPLIES

3FL-612	3FL-612	6	17.5 CT	.155	31.5 CT	.065	+5	135	±12	40
3FL-615	3FL-615	6	17.5 CT	.155	37.5 CT	.060	+5	135	±15	35
3FL-1212	3FL-1212	12	17.0 CT	.340	29.0 CT	.140	+5	270	±12	85
3FL-1215	3FL-1215	12	17.0 CT	.340	36.0 CT	.115	+5	270	±15	70
PFT12-35	PFT12-35	12	16.0 CT	0.36	35.0 CT	.15	+5	300	±15	85
PFT12-28	PFT12-28	12	16.0 CT	0.36	28.0 CT	.187	+5	300	±12	106
PFT24-35	PFT24-35	24	16.0 CT	0.72	35.0 CT	.30	+5	600	±15	170
PFT24-28	PFT24-28	24	16.0 CT	0.72	28.0 CT	.375	+5	600	±12	212

\* +8.75, ±17.6 or ±22DCV output volts are for inputs to +5V and ±12 or ±15V IC Voltage Regulators. See PFT schematic.  
Line input 115/230V±10%

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