

### FP120-50

#### Electrical Specifications (@25C)

1. Maximum Power: 6.0 VA
2. Primary Voltage:
  - Series: 230V@50/60 Hz
  - Parallel: 115V@50/60Hz
3. Secondary:
  - Series: 120.0VCT @ 0.050Amps
  - Parallel: 60.0V @ 0.100Amps

#### Description:

The FP120-20 is part of a series which has a long history of reliable service in the field, made from a proven design and constructed with UL recognized materials.

#### Construction:

Wound on two dual channel nylon bobbin. Materials are UL recognized, Class B (130° C) rated.

#### Safety:

These products are 100% hipot tested with an insulation of 2000V between primary and secondary windings and 1500V between the primary / secondary windings and the core.

#### Agency File:

UL: File E53148, UL 506, Class B General Purpose Transformer,  
cUL: File E53148, UL 506, Class B General Purpose Transformer, Canadian Use



#### Dimensions:

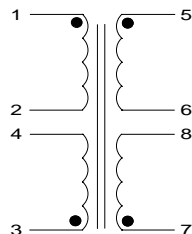
A	B	C	D	E	F
1.875	1.562	0.875	0.267	0.375	1.600

Units: In inches

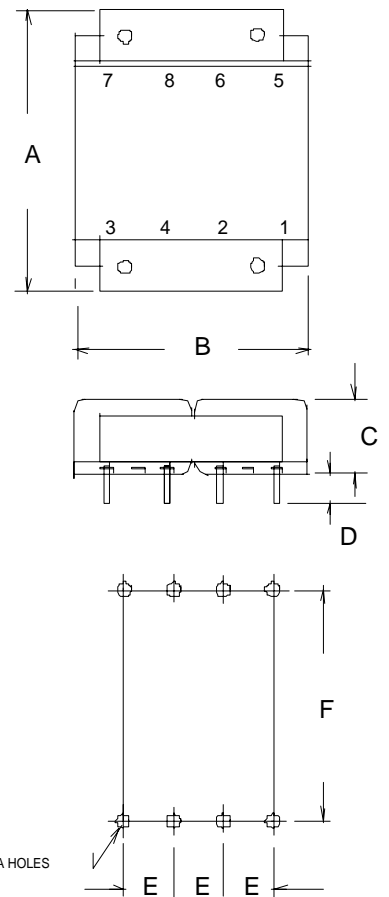
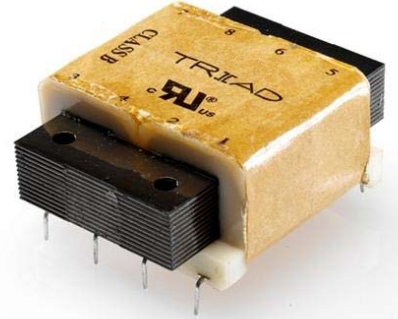
Weight: 7.0 oz

Pin Dimension: .020 x .041 in


#### Schematic:



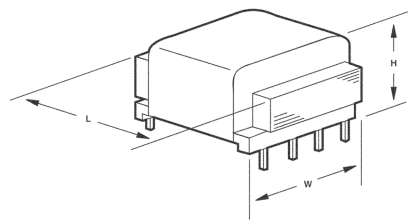
**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2002/95/EC, known as the RoHS initiative.



# Power Transformers

Class B  
UL Recognized  
  
UL File E53148

## PC Mount: Flat Pack™



### :: Description

The Triad Flat pack power transformer is designed to meet the needs of lower clearance PC board and solid state power designs. These units can also be used for control and instrumentation applications. Voltages and currents were chosen for widely used power applications. It is offered in a dual primary and dual secondary configuration.

### :: Specifications

**Primary:** 115/230 V, 50/60 Hz | **Hi Pot Tested:** 2,000 VRMS | **Low Profile:** Allows 3/4" card spacing for 2.5 VA units; Allows 1" card spacing for 6 VA units; Allows 1 1/4" card spacing for 12 VA units; Allows 1 1/2" card spacing for 24 VA and 48 VA units.

### :: Flat Pack

Section	Type No.	VA	Secondary		Dimensions					Wt. Oz.
			Series	Parallel	H	W	L	A	B	
A	FP10-250	2.5	10.0V CT @ 0.25A	5.0V @ 0.5A	0.650	1.562	1.875	1.600	0.375	5
	FP12-200		12.6V CT @ 0.2A	6.3V @ 0.4A						
	FP16-150		16.0 CT @ 0.15A	8.0V @ 0.3A						
	FP20-125		20.0 CT @ 0.125A	10.0V @ 0.25A						
	FP24-100		24.0 CT @ 0.1A	12.0V @ 0.2A						
	FP30-85		30.0V CT @ 0.08A	15.0V @ 0.16A						
	FP34-75		34.0V CT @ 0.075A	17.0V @ 0.15A						
	FP40-60		40.0V CT @ 0.06A	20.0V @ 0.12A						
	FP56-45		56.0V CT @ 0.045A	28.0V @ 0.09A						
	FP88-28		88.0V CT @ 0.028A	44.0V @ 0.056A						
	FP120-20		120.0V CT @ 0.02A	60.0V @ 0.04A						
	FP230-10		230.0V CT @ 0.01A	115.0V @ 0.02A						
	B		FP10-600	6.0						
FP12-475		12.6V CT @ 0.475A	6.3V @ 0.95A							
FP16-375		16.0 CT @ 0.375A	8.0V @ 0.75A							
FP20-300		20.0 CT @ 0.3A	10.0V @ 0.8A							
FP24-250		24.0 CT @ 0.25A	12.0V @ 0.5A							
FP30-200		30.0V CT @ 0.2A	15.0V @ 0.4A							
FP34-170		34.0V CT @ 0.17A	17.0V @ 0.34A							
FP40-150		40.0V CT @ 0.15A	20.0V @ 0.3A							
FP56-100		56.0V CT @ 0.1A	28.0V @ 0.2A							
FP88-65		88.0V CT @ 0.065A	44.0V @ 0.13A							
FP120-50		120.0V CT @ 0.05A	60.0V @ 0.1A							
FP230-25		230.0V CT @ 0.025A	115.0V @ 0.05A							
C		FP10-1200	12.0		10.0V CT @ 1.2A	5.0V @ 2.4A	1.062	2.000	2.500	2.000
	FP12-950	12.6V CT @ 0.95A		6.3V @ 1.9A						
	FP16-750	16.0 CT @ 0.75A		8.0V @ 1.5A						
	FP20-600	20.0 CT @ 0.6A		10.0V @ 1.2A						
	FP24-500	24.0 CT @ 0.5A		12.0V @ 1.0A						
	FP30-400	30.0V CT @ 0.4A		15.0V @ 0.8A						
	FP34-340	34.0V CT @ 0.34A		17.0V @ 0.68A						
	FP40-300	40.0V CT @ 0.3A		20.0V @ 0.6A						
	FP56-200	56.0V CT @ 0.2A		28.0V @ 0.4A						
	FP88-130	88.0V CT @ 0.13A		44.0V @ 0.26A						
	FP120-100	120.0V CT @ 0.1A		60.0V @ 0.2A						
	FP230-50	230.0V CT @ 0.05A		115.0V @ 0.1A						
	D	FP10-2400		24	10.0V CT @ 2.4A	5.0V @ 4.8A				
FP12-1900		12.6V CT @ 1.9A	6.3V @ 3.8A							
FP16-1500		16.0V CT @ 1.5A	8.0V @ 3.0A							
FP20-1200		20.0V CT @ 1.2A	10.0V @ 2.4A							
FP24-1000		24.0V CT @ 1.0A	12.0V @ 2.0A							
FP30-800		30V CT @ 0.80mA	15.0V @ 1.6A							
FP34-700		34V CT @ 0.70mA	17.0V @ 1.4A							
FP40-600		56V CT @ 0.60mA	20.0V @ 1.2A							
FP56-425	56V CT @ 0.425mA	28.0V @ 0.85A								
E	FP10-4800	48	10V CT @ 4.8A	5.0V @ 9.6A	1.375	2.5	3.12	2.18	0.600	21
	FP12-3800		12.6V CT @ 3.8A	6.3V @ 7.6A						
	FP16-3000		16V CT @ 3.0A	8.0V @ 6.0A						
	FP20-2400		20.0V CT @ 2.4A	10.0V @ 4.8A						
	FP24-2000		24.0V CT @ 2.0A	12.0V @ 4.0A						
	FP30-1600		30.0V CT @ 1.6A	15.0V @ 3.2A						
	FP34-1400		34.0V CT @ 1.4A	17.0V @ 2.8A						
	FP40-1200		40.0V CT @ 1.2A	20.0V @ 2.4A						
FP56-850	56.0V CT @ 0.85A	28.0V @ 1.7A								

CT = Center Tap

:: Outline Dimensions

**Technical Notes**

1. Hi-pot tested at 2,000 VRMS.
2. Split bobbin with side-by-side windings to reduce capacitance and eliminate the need for a static shield.

