

F7-120

Description:

The F7-120 Quick Pack small power transformer offers a significant reduction in size and weight over a standard transformer. This transformer can be used for a wide variety of applications. It is bobbin wound for reduced size and small operating space.

Electrical Specifications (@25C):

Maximum Power: 56.0VA

Input Voltage: 115VAC@50/60Hz

Output Voltage: 120.0VCT@0.5A

Construction:

Split bobbin non concentric winding eliminates costly electrostatic shielding. Termination is suitable for quick connects or soldering.

Safety:

UL Class B E53148

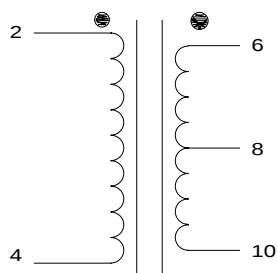


Dimensions:

A	B	C	D	E	F	G
2.250	3.125	3.687	1.812	2.687	.187 Dia	1.062

- Notes:**
1. Units: inches.
 2. Terminal size: .187" X 0.21".
 3. Weight: 1.70 lbs

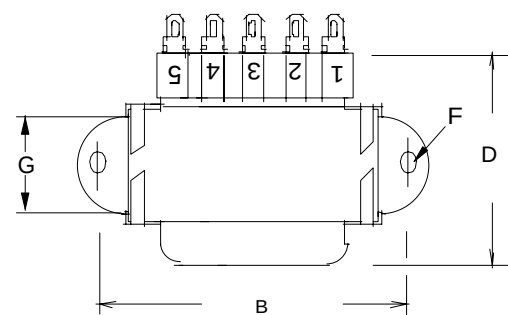
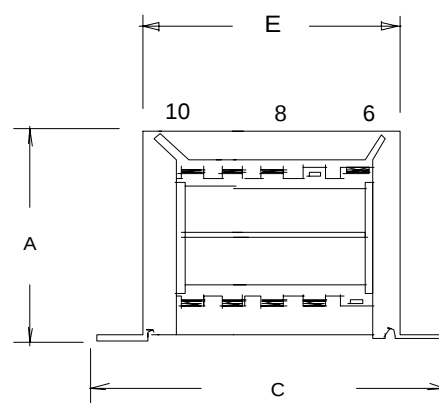
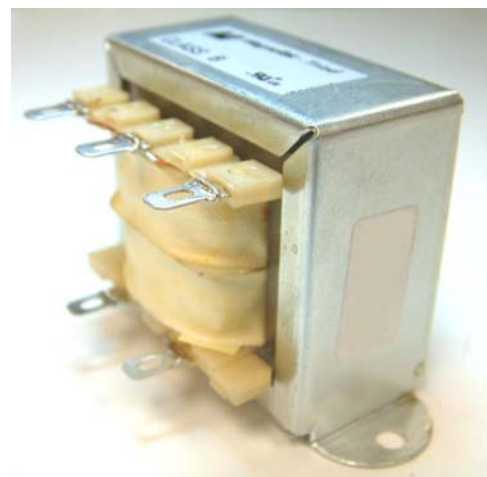
Schematic:



Input: 2 to 4

Output: 6 to 10

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



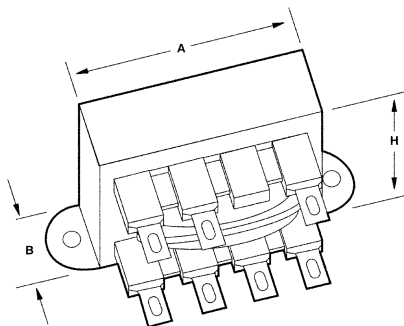
Power Transformers

Class B
UL Recognized



UL File E53148

Chassis Mount: Quick Pack™



:: Description

The Triad Quick Pack small power transformer series offers a significant reduction in size and weight for a given VA rating. These transformers are available in six sizes for a wide variety of applications. They are bobbin wound for reduced size and small operating space. Split bobbin nonconcentric winding eliminates costly electrostatic shielding. Termination is suitable for quick connects or soldering.

:: Specifications

Primary: 115 V, 115/230 V, 50/60 Hz

VA Range: 2.4 to 100.0

Output Rating Range: 10.0 V CT to 120.0 V CT

:: Quick Pack

Section	Single Primary 115 V	Dual Primary 115/230 V	VA	Output Rating	Dimensions						Wt. Lbs.
					L	W	H	A	B	ML	
A	F3-10	•	2.4	10.0V CT @ 0.25A	2 ¹ / ₁₆	1 ¹ / ₁₆	1 ³ / ₁₆	1 ⁷ / ₈	⁹ / ₁₆	1 ³ / ₄	0.25
	F3-12	•		12.6V CT @ 0.2A							
	F3-16	•		16.0V CT @ 0.15A							
	F3-20	•		20.0V CT @ 0.12A							
	F3-24	•		24.0V CT @ 0.1A							
	F3-28	•		28.0V CT @ 0.085A							
	F3-36	•		36.0V CT @ 0.065A							
	F3-48	•		48.0V CT @ 0.05A							
	F3-56	•		56.0V CT @ 0.045A							
	F3-120	•		120.0V CT @ 0.02A							
B	F4-10	FD4-10	6.0	10.0V CT @ 0.6A	2 ³ / ₈	1 ¹ / ₄	1 ¹ / ₈	1 ¹ / ₁₆	1 ¹ / ₁₆	2	0.44
	F4-12	FD4-12		12.6V CT @ 0.5A							
	F4-16	FD4-16		16.0V CT @ 0.4A							
	F4-20	FD4-20		20.0V CT @ 0.3A							
	F4-24	FD4-24		24.0V CT @ 0.25A							
	F4-28	FD4-28		28.0V CT @ 0.2A							
	F4-36	FD4-36		36.0V CT @ 0.17A							
	F4-48	FD4-48		48.0V CT @ 0.125A							
	F4-56	FD4-56		56.0V CT @ 0.11A							
	F4-120	FD4-120		120.0V CT @ 0.05A							
C	F5-10	FD5-10	12.0	10.0V CT @ 1.2A	2 ³ / ₁₆	1 ³ / ₈	1 ¹ / ₈	1 ¹ / ₁₆	1 ³ / ₁₆	2 ³ / ₈	0.70
	F5-12	FD5-12		12.6V CT @ 1.0A							
	F5-16	FD5-16		16.0V CT @ 0.8A							
	F5-20	FD5-20		20.0V CT @ 0.6A							
	F5-24	FD5-24		24.0V CT @ 0.5A							
	F5-28	FD5-28		28.0V CT @ 0.42A							
	F5-36	FD5-36		36.0V CT @ 0.35A							
	F5-48	FD5-48		48.0V CT @ 0.25A							
	F5-56	FD5-56		56.0V CT @ 0.22A							
	F5-120	FD5-120		120.0V CT @ 0.1A							
D	F6-10	FD6-10	30.0	10.0V CT @ 3.0A	3 ³ / ₄	1 ¹ / ₁₆	1 ¹ / ₁₆	2 ⁷ / ₁₆	1 ¹ / ₁₆	2 ¹ / ₁₆	1.10
	F6-12	FD6-12		12.6V CT @ 2.5A							
	F6-16	FD6-16		16.0V CT @ 2.0A							
	F6-20	FD6-20		20.0V CT @ 1.5A							
	F6-24	FD6-24		24.0V CT @ 1.25A							
	F6-28	FD6-28		28.0V CT @ 1.1A							
	F6-36	FD6-36		36.0V CT @ 0.85A							
	F6-48	FD6-48		48.0V CT @ 0.63A							
	F6-56	FD6-56		56.0V CT @ 0.54A							
	F6-120	FD6-120		120.0V CT @ 0.25A							
E	F7-10	FD7-10	56.0	10.0V CT @ 5.0A	3 ¹ / ₁₆	1 ¹ / ₁₆	2 ¹ / ₄	2 ¹ / ₁₆	1 ¹ / ₁₆	3 ³ / ₈	1.70
	F7-12	FD7-12		12.6V CT @ 4.0A							
	F7-16	FD7-16		16.0V CT @ 3.5A							
	F7-20	FD7-20		20.0V CT @ 2.8A							
	F7-24	FD7-24		24.0V CT @ 2.4A							
	F7-28	FD7-28		28.0V CT @ 2.0A							
	F7-36	FD7-36		36.0V CT @ 1.5A							
	F7-48	FD7-48		48.0V CT @ 1.2A							
	F7-56	FD7-56		56.0V CT @ 1.0A							
	F7-120	FD7-120		120.0V CT @ 0.5A							

CT = Center Tap Mounting hole size: ³/₁₆"

:: Quick Pack continued

Section	Single Primary 115 V	Dual Primary 115/230 V	VA	Output Rating	Dimensions						Wt. Lbs.
					L	W	H	A	B	ML	
A	F8-10	FD8-10	100.0	10.0V CT @ 10.0A	$4\frac{1}{32}$	$2\frac{1}{4}$	$2\frac{1}{16}$	$3\frac{1}{16}$	$1\frac{1}{16}$	$3\frac{1}{16}$	2.75
	F8-12	FD8-12		12.6V CT @ 8.0A							
	F8-16	FD8-16		16.0V CT @ 6.25A							
	F8-20	FD8-20		20.0V CT @ 5.0A							
	F8-24	FD8-24		24.0V CT @ 4.0A							
	F8-28	FD8-28		28.0V CT @ 3.6A							
	F8-36	FD8-36		36.0V CT @ 2.8A							
	F8-48	FD8-48		48.0V CT @ 2.0A							
	F8-56	FD8-56		56.0V CT @ 1.8A							
	F8-120	FD8-120		120.0V CT @ 0.85A							

CT = Center Tap Mounting hole size: $\frac{1}{16}$ "

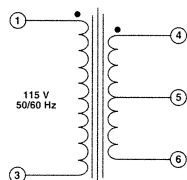
:: Outline Dimensions

Technical Notes

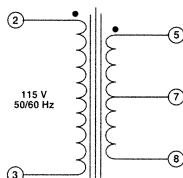
1. Hi-pot tested at 2,500 VRMS.
2. Class B insulation for maximum temperature of 130°C.
3. Terminal size is .187" x .021".

Single Primary

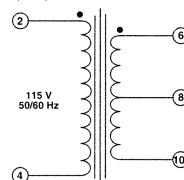
F3 Series



F4, F5 Series

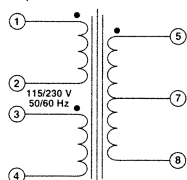


F6, F7, F8 Series

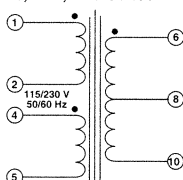


Dual Primary

FD4, FD5 Series



FD6, FD7, FD8 Series



Series 230 V: Input 1 & 4
Connect 2 & 3

Series 230 V: Input 1 & 5
Connect 2 & 4

Parallel 115 V: Input 1 & 2
Connect 1 & 3, 2 & 4

Parallel 115 V: Input 1 & 2
Connect 1 & 4, 2 & 5

