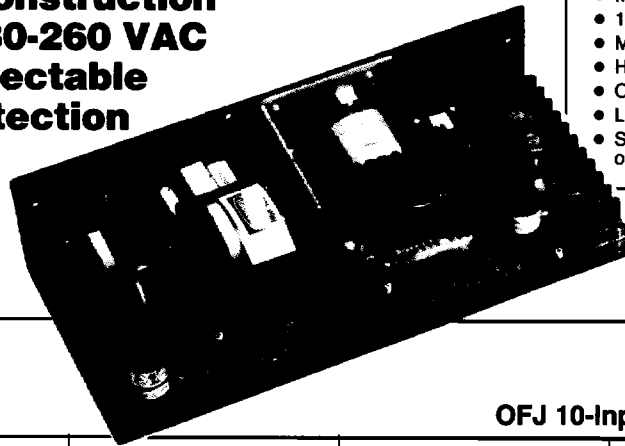


SERIES OFJ

100-200 Watt
PCB-L-Bracket Construction
90-130 VAC or 180-260 VAC
Input-Jumper Selectable
Short Circuit Protection
Isolated Outputs



AC-DC Switchers

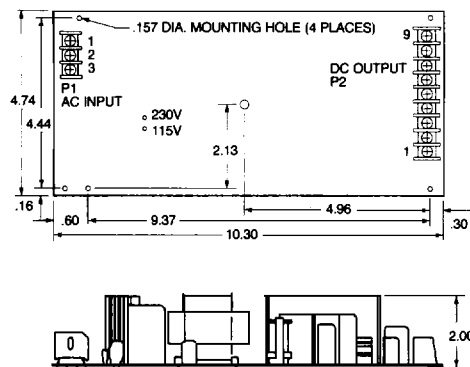
FEATURES:

- 90-130 VAC or 180-260 VAC input
- Meets FCC/DE, EMI requirements
- 100% burn-in testing
- Meets or exceeds UL-CSA-IEC requirements
- Hi Reliability
- Over current protection
- Low noise less than 1% p-p
- Single-dual-triple quad and 2 models with five outputs

OFJ 10-Input 90-130 VAC or 180-260 VAC

MODEL NUMBER	MAX. TOTAL POWER	OUTPUT 1				OUTPUT 2				OUTPUT 3				OUTPUT 4				MECH. DRAWING	PRICE 1-24
		V OUTPUT	I MINIMUM	I MAXIMUM	TOLERANCE	V OUTPUT	I MINIMUM	I MAXIMUM	TOLERANCE	V OUTPUT	I MINIMUM	I MAXIMUM	TOLERANCE	V OUTPUT	I MINIMUM	I MAXIMUM	TOLERANCE		
OFJ10-1D	100W	+5VDC	2A	10A	3%	+12VDC	1A	5A	5%	-	-	-	-	-	-	-	-	F	104.60
OFJ10-2M	100W	+5VDC	2A	10A	3%	+12VDC	1A	5A	5%	-12VDC	0A	0.8A	5%	-	-	-	-	F	106.80
OFJ10-3M	100W	+5VDC	2A	10A	3%	+12VDC	0.8A	4A	5%	-12VDC	0A	0.8A	5%	-5VDC	0A	0.8A	5%	F	109.00
OFJ10-4M	100W	+5VDC	2A	10A	3%	+12VDC	0.8A	4A	5%	-12VDC	0A	0.8A	5%	+12VDC	0.5A	1.5A	6%	F	109.00
OFJ10-5M	100W	+5VDC	2A	10A	3%	+12VDC	0.8A	4A	5%	-12VDC	0A	0.8A	5%	+15VDC	1A	3A	8%	F	109.00
OFJ10-6M	100W	+5VDC	2A	10A	3%	+12VDC	0.8A	4A	5%	-15VDC	0A	0.8A	5%	+15VDC	0.5A	1.5A	8%	F	109.00
OFJ10-7M	100W	+5VDC	2A	10A	3%	+12VDC	0.8A	4A	5%	-12VDC	0A	0.8A	5%	+24VDC	1A	3A	8%	F	109.00

MECHANICAL SPECIFICATIONS "F"



NOTES:

1. Dimensions shown in inch.
2. Tolerance 0.02 maximum
3. Weight: 2.05 lbs. (930 grams) approx.

CONNECTOR DATA

Input connector type is Beau Inc.
P/N 72-5-03C.

Output connector type is Beau Inc.
P/N 72-5-09C.

Screws are 6-32 on 0.375 inch centers.

PIN CHART OFJ10 "F"

MODEL NUMBER	CONNECTOR NO. P1			CONNECTOR NO. P2					
	PIN 1	PIN 2	PIN 3	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5,6,7	PIN 8,9
OFJ10-1D	AC Live	AC Ground	AC Neutral	P.F.D.*	N.C.	+12V	N.C.	Common	+5V
OFJ10-2M	AC Live	AC Ground	AC Neutral	P.F.D.*	-12V	+12V	N.C.	Common	+5V
OFJ10-3M	AC Live	AC Ground	AC Neutral	P.F.D.*	-12V	+12V	-5V	Common	+5V
OFJ10-4M	AC Live	AC Ground	AC Neutral	P.F.D.*	-12V	+12V (4A)	+12V (1.5A)	Common	+5V
OFJ10-5M	AC Live	AC Ground	AC Neutral	P.F.D.*	-12V	+12V	+15V	Common	+5V
OFJ10-6M	AC Live	AC Ground	AC Neutral	P.F.D.*	+15V	+12V	+15V	Common	+5V
OFJ107M	AC Live	AC Ground	AC Neutral	P.F.D.*	-12V	+12V	+24V	Common	+5V

*Power failure detect

For immediate engineering assistance or to place an order—Call Toll Free 800-228-9747

PICO Electronics, Inc.

143 Sparks Avenue, Pelham, NY 10803-1837 • 914-738-1400 • FAX 914-738-8225

Internet: <http://www.picoelectronics.com> • E-Mail: HLSC73A@prodigy.com

Delivery—
stock to one week

The OFJ Series of AC-DC Switching Power Supplies are designed to offer the best of today's technical advancements. These models are available in 100 and 200 watts. Standard features include jumper selectable input voltage, meeting agency requirements and 100% burn-in, for a high reliable, low cost answer to your circuit requirements. 14 models with up to 5 standard outputs provide solutions for power distribution problems.

TYPICAL CHARACTERISTICS:

Input voltage: 90-130 VAC or 180-260 VAC jumper selectable

Input frequency: 47 to 440 Hz

Input current:	OFJ 10	OFJ 20
115 VAC	2.2 A	4.2 A
230 VAC	1.2 A	2.4 A

Ripple and noise: 1% p-p max.

Short circuit protection: All outputs

Over voltage protection: Output one all models

Temp. coefficient: $\pm 0.04\%/^{\circ}\text{C}$

Efficiency: 65% min. @ full load

Line regulation: $\pm 0.5\%$ max. @ full load

Isolation: Input to output 3750 VAC
Input to ground 1750 VAC

Operating temp: 0°C to $+50^{\circ}\text{C}$

Storage temp: -20°C to $+85^{\circ}\text{C}$

Hold-up time: 20 msec typical

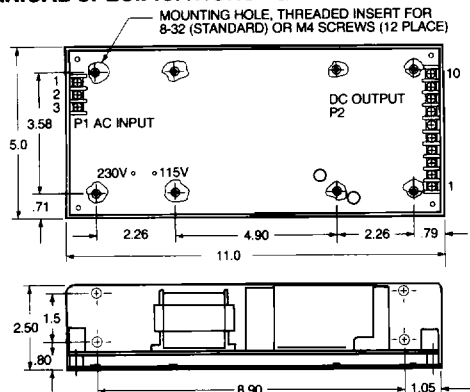
EMI requirements: Meets requirements FCC 20780 Level B, VDE 0871 Level A

Safety requirements: Meets or exceeds UL-1950, CSA-1402C, IEC 950

OFJ 20-Input 90-130 VAC or 180-260 VAC

MODEL NUMBER	MAX. TOTAL POWER	OUTPUT 1				OUTPUT 2				OUTPUT 3				OUTPUT 4				OUTPUT 5				MECH. DRAWING	PRICE 1-24
		V OUTPUT	I MINIMUM	I MAXIMUM	TOLERANCE	V OUTPUT	I MINIMUM	I MAXIMUM	TOLERANCE	V OUTPUT	I MINIMUM	I MAXIMUM	TOLERANCE	V OUTPUT	I MINIMUM	I MAXIMUM	TOLERANCE	V OUTPUT	I MINIMUM	I MAXIMUM	TOLERANCE		
OFJ20-1M	200W	+5vdc	4A	20A	3%	+12vdc	1A	6A	5%	-5vdc	0A	1A	5%	-	-	-	-	-	-	-	-	G	162.80
OFJ20-2M	200W	+5vdc	4A	20A	3%	+12vdc	1A	6A	5%	-12vdc	0A	1A	5%	-	-	-	-	-	-	-	-	G	162.80
OFJ20-3M	200W	+5vdc	4A	20A	3%	+12vdc	1A	6A	5%	-5vdc	0A	1A	5%	-12vdc	0A	1A	5%	-	-	-	-	G	167.20
OFJ20-4M	200W	+5vdc	4A	20A	3%	+12vdc	1A	6A	5%	-12vdc	0A	1A	5%	+12vdc	0A	4A	5%	-	-	-	-	G	167.20
OFJ20-5M	200W	+5vdc	4A	20A	3%	+12vdc	1A	6A	5%	-12vdc	0A	1A	5%	+24vdc	0A	3A	8%	-	-	-	-	G	167.20
OFJ20-6M	200W	+5vdc	4A	20A	3%	+12vdc	1A	6A	5%	-5vdc	0A	1A	5%	-12vdc	0A	1A	5%	+12vdc	0.6A	4A	5%	G	171.60
OFJ20-7M	200W	+5vdc	4A	20A	3%	+12vdc	1A	6A	5%	-5vdc	0A	1A	5%	-12vdc	0A	1A	5%	+24vdc	0.3A	3A	8%	G	171.60

MECHANICAL SPECIFICATIONS "G"



NOTES:

1. Dimensions shown in inch.
2. Tolerance 0.02 maximum
3. Weight: 3.5 lbs. (1.6 Kgs) approx. for L-bracket form.

CONNECTOR DATA

Input connector type is Beau Inc. P/N 72-5-03C.

Output connector type is Beau Inc. P/N 72-5-10C.

Screws are 6-32 on 0.375 inch centers.

PIN CHART OFJ20 "G"

MODEL NUMBER	CONNECTOR NO. P1			P2						
	PIN 1	PIN 2	PIN 3	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5,6,7	PIN 8,9	PIN 10
OFJ20-1M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	-5V	N.C.	Common	+5V	N.C.
OFJ20-2M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	N.C.	-12V	Common	+5V	N.C.
OFJ20-3M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	-5V	-12V	Common	+5V	N.C.
OFJ20-4M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V (6A)	N.C.	-12V	Common	+5V	+12V (4A)
OFJ20-5M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	N.C.	-12V	Common	+5V	+24V
OFJ20-6M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V (6A)	-5V	-12V	Common	+5V	+12V (4A)
OFJ20-7M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	-5V	-12V	Common	+5V	+24V

*Power failure detect

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