

SERIES OFB

50-130 Watt

Fully Enclosed

90-130 VAC or 180-260 VAC

Input-Jumper Selectable

Short Circuit Protection

Isolated Outputs

Fully Enclosed AC-DC Switchers

FEATURES:

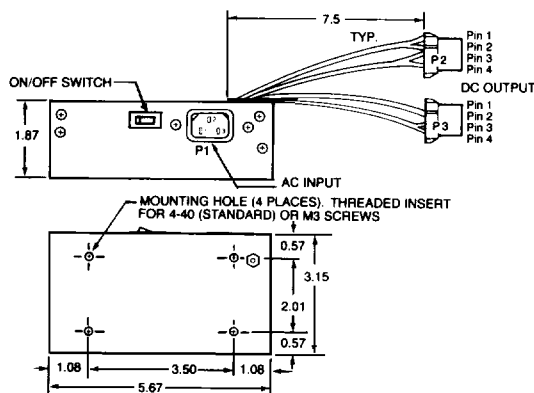
- 90-130 VAC or 180-260 VAC input
- Meets FCC/VDE, EMI requirements
- 100% burn-in testing
- Meets or exceeds UL-CSA requirements
- Hi Reliability
- Over current protection
- Low noise less than 1% p-p
- Single-dual-triple and quad outputs



OFB 5-50 Watt AC-DC Switching Power Supply

MODEL NUMBER	MAX. TOTAL POWER	OUTPUT 1				OUTPUT 2				OUTPUT 3				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		
OFB5-1S	50W	+5vdc	2A	10A	1%	-	-	-	-	-	-	-	-	D	74.80
OFB5-2S	50W	+12vdc	0.8A	4.2A	1%	-	-	-	-	-	-	-	-	D	74.80
OFB5-3S	50W	+15vdc	0.8A	3.5A	1%	-	-	-	-	-	-	-	-	D	74.80
OFB5-4S	50W	+24vdc	0.4A	2.2A	1%	-	-	-	-	-	-	-	-	D	74.80
OFB5-5D	50W	+5vdc	0.5A	2A	3%	+12vdc	0.5A	3.5A	5%	-	-	-	-	D	77.00
OFB5-6M	50W	+5vdc	1A	6A	3%	+12vdc	0.4A	2A	5%	-5vdc	0.1A	0.5A	10%	D	80.40
OFB5-7M	50W	+5vdc	1A	6A	3%	+12vdc	0.4A	2A	5%	-12vdc	0.1A	0.5A	10%	D	80.40
OFB5-8M	50W	+5vdc	1A	6A	3%	+15vdc	0.4A	2A	5%	-15vdc	0.1A	0.5A	10%	D	80.40

MECHANICAL SPECIFICATIONS "D"



NOTES:

1. Dimensions shown in inch.
2. Tolerance 0.02 maximum.
3. Weight: 21.9 oz. (620 grams) approx.

CONNECTOR DATA

Output connectors mate with AMP P/N 1-480426-0 pin housing assembly or P/N 1-350211-1 pin header assembly.

PIN CHART OFB5 "D"

MODEL NUMBER	CONNECTOR NO. P1			P2				P3			
	PIN 1	PIN 2	PIN 3	PIN 1	PIN 2	PIN 3	PIN 4	PIN 1	PIN 2	PIN 3	PIN 4
OFB5-1S	AC Live	Ground	AC Neutral	Return	Return	+5V	+5V	N/A	N/A	N/A	N/A
OFB5-2S	AC Live	Ground	AC Neutral	Return	Return	+12V	+12V	N/A	N/A	N/A	N/A
OFB5-3S	AC Live	Ground	AC Neutral	Return	Return	+15V	+15V	N/A	N/A	N/A	N/A
OFB5-4S	AC Live	Ground	AC Neutral	Return	Return	+24V	+24V	N/A	N/A	N/A	N/A
OFB5-5D	AC Live	Ground	AC Neutral	+12V	Common	+5V	+5V	+12V	Common	Common	+5V
OFB5-6M	AC Live	Ground	AC Neutral	+12V	-5V	Common	+5V	+12V	N.C.	Common	+5V
OFB5-7M	AC Live	Ground	AC Neutral	+12V	-12V	Common	+5V	+12V	N.C.	Common	+5V
OFB5-8M	AC Live	Ground	AC Neutral	+15V	-15V	Common	+5V	+15V	N.C.	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 OFB Series of fully enclosed AC-DC Switching Power Supplies are designed to offer the best of today's technical advancements. Standard features include small size, jumper selectable input voltage, meeting agency requirements and 100% burn-in, for a high reliable, low cost answer to your circuit requirements. One to four standard outputs ease your distribution problems for computer designs or industrial applications.

TYPICAL CHARACTERISTICS:

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

Input frequency: 47 to 440 Hz

Input current:	OFB 5	OFB 13
115 VAC	0.9 A	2.8 A
230 VAC	0.5 A	1.5 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 3000 VAC
Input to ground 1500 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

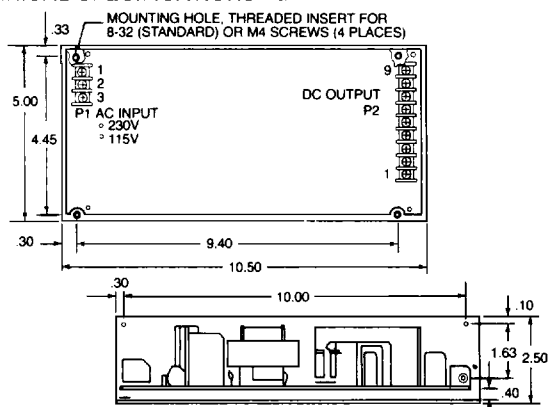
Safety requirements: Model OFB 5
certified,
UL-1950,
CSA-1402C,
EN 60950/IEC 950.

Model OFB 13
meets requirements of
UL-1950,
CSA 1402C,
IEC 950.

OFB 13-130 Watt AC-DC Switching Power Supply

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		
OFB13-1D	130W	+5VDC	3A	15A	3%	+12VDC	1A	5A	5%	-	-	-	-	-	-	-	-	E	129.80
OFB13-2T	130W	+5VDC	3A	15A	3%	+12VDC	1A	5A	5%	-12VDC	0A	0.8A	5%	-	-	-	-	E	132.40
OFB13-3M	130W	+5VDC	3A	15A	3%	+12VDC	0.8A	4A	5%	-12VDC	0A	0.8A	5%	-5VDC	0	0.8A	5%	E	137.60
OFB13-4M	130W	+5VDC	3A	15A	3%	+12VDC	0.8A	4A	5%	-12VDC	0A	0.8A	5%	+12VDC	0.5A	1.5A	6%	E	137.60
OFB13-5M	130W	+5VDC	3A	15A	3%	+12VDC	0.8A	4A	5%	-12VDC	0A	0.8A	5%	+15VDC	1A	4A	10%	E	137.60
OFB13-6M	130W	+5VDC	3A	15A	3%	+12VDC	0.8A	4A	5%	-15VDC	0A	0.8A	5%	+15VDC	0.5A	1.5A	6%	E	137.60
OFB13-7M	130W	+5VDC	3A	15A	3%	+12VDC	0.8A	4A	5%	-12VDC	0A	0.8A	5%	+24VDC	1A	4A	10%	E	137.60

MECHANICAL SPECIFICATIONS "E"



NOTES:

1. Dimensions shown in inch.
2. Tolerance 0.02 maximum.
3. Weight: 3.5 lbs. approx. for enclosed unit.

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 OFB13 "E"

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
OFB13-1D	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	-5V	N.C.	Common	+5V	N.C.
OFB13-2T	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	N.C.	-12V	Common	+5V	N.C.
OFB13-3M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	-5V	-12V	Common	+5V	N.C.
OFB13-4M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V (6A)	N.C.	-12V	Common	+5V	+12V (4A)
OFB13-5M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	N.C.	-12V	Common	+5V	+24V
OFB13-6M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V (6A)	-5V	-12V	Common	+5V	+12V (4A)
OFB13-7M	AC Ground	AC Neutral	AC Live	P.F.D.*	+12V	-5V	-12V	Common	+5V	+24V

*Power failure detect.

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