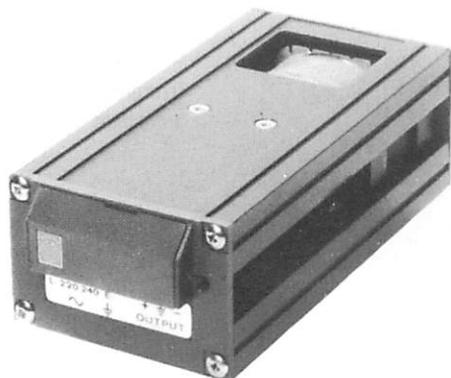


MODULAR POWER SUPPLIES

linear miniature power supplies P Series



A low cost range of miniature power units for immediate despatch from stock
 Ideal for either bench or OEM use

These miniature d.c. power supplies are suitable for either bench use or for incorporating into original equipment.

The d.c. output may be adjusted over the particular units range by a potentiometer accessible through a hole in the front panel. Full output current is available at any setting in that range. All models feature, as protection against overload or short circuit, electronic current limiting which automatically resets on removal of the fault condition. The 4-6 volt models feature an additional protection circuit to prevent an overvoltage from damaging external circuitry,

particularly integrated circuits, which commonly operate at 5 volts.

Because the units have adjustable outputs and do not have to be preset on test to a user specified voltage they may be despatched from stock without delay, subject to availability.

Aluminium extruded sections form a robust and attractive case and a clip-on cover over the terminal block is included to protect the connections.

Featuring good regulation, low ripple and full protection these units are excellent – and yet inexpensive.

Mains input

A.C. mains 220, 240V $\pm 10\%$ 50-400Hz
 110, 115V versions available

Line regulation

Output change for a $\pm 10\%$ mains change:
 Single output models
 Less than 0.05% +2mV
 Twin output models
 Less than 0.05% +2mV

Load regulation

Output change for a zero to full load change:
 Single output models
 Less than 0.1% +2mV
 Twin output models
 Less than 0.05% +2mV

Units available

Dimensions (mm) 40H \times 64W \times 131.5D. Wt. 0.51kg

Model	Adjust range (V d.c.) min. – max.	Current rating (mA) at T. amb.		
		30°C	40°C	60°C
6/1P	4 – 6	1000	750	250
12/500P	6 – 12	500	500	250
24/250P	12 – 24	250	250	125
15/15/200P	12-17 0 12-17	200	200	100

Ripple and noise

At full load ($\Delta f=80\text{kHz}$)
 Single output models
 Less than 1mV pk-pk
 Twin output models
 Less than 2mV pk-pk

Transient recovery time

Less than 300 μs typical for output to recover within 50mV following a full load change of 1 μs risetime

Output impedance

Less than 0.5 Ω at 100kHz and 25°C, typical

Temperature coefficient

0.02% per °C, typical

Maximum ambient temperature

Linear derating to 60°C (see table)

Storage temperature range

-40°C to +85°C

Overload protection

Foldback Current limiting on all models. Additional overvoltage protection on 4-6V models set at 7V approx.

Order Codes

6/1P	12P061
12/500P	12P12500
24/250P	12P24250
15/15/200P	12P15200

ORDER CODE: see box