

The PSU 203 is a compact, split 'open' mains power supply unit designed primarily for OEM use. The linear regulator ICs used have over-current and over-temperature protection.

Simple Screw-Terminal Connection

Low Profile

Encapsulated Mains Transformer

Positive and Negative Adjustable Rails

20-turn Trimmers For Accurate Setting



Standard Unit	Stock Number PSU 203			
Specification	Min.	Typ.	Max.	Unit
Load regulation			1	%
Line regulation			1	%
Ripple			5	mV
Operating temperature	0		70	°C
Output				
Positive	V	5	15	V
	I		150	mA
Negative	V	-5	-15	V
	I		-150	mA
Input (50-60Hz)	110	120	125	VAC
- link selectable	220	240	250	

Selecting Mains I/P Voltage

The unit is normally supplied connected for 240V operation. For 120V operation remove 240V link and insert BOTH 120V links.

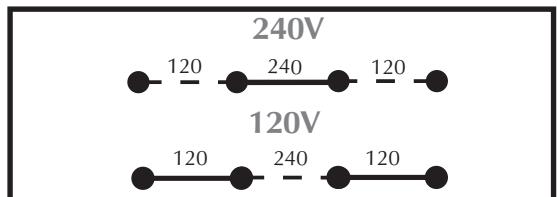
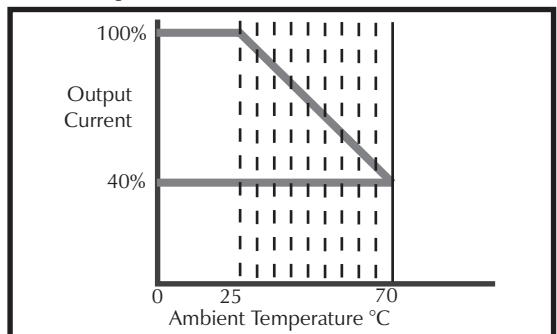
Safety

For safe operation, the unit must be installed in an enclosure which prevents accidental contact with hazardous voltages, by providing appropriate insulation or guarding. If the enclosure is made of a conducting material or the internal surfaces have a conductive coating, ensure that no part of the power supply will come into contact with it, and maintain an air gap clearance of minimum 10mm. Two terminals (E) are provided as anchorage for earth leads. The mains lead to the unit must be fused with a 63mA (240V operation) or a 125mA (120V operation) fuse. Fuses should be IEC 127 part 2, sheet 3, DIN 41662 anti-surge spiral. In general, it is the responsibility of the user to ensure that the incorporation of the power supply unit into the OEM equipment conforms to the relevant sections of EN 60742, in accordance with the Low Voltage Directive (LVD 93/68/EEC).

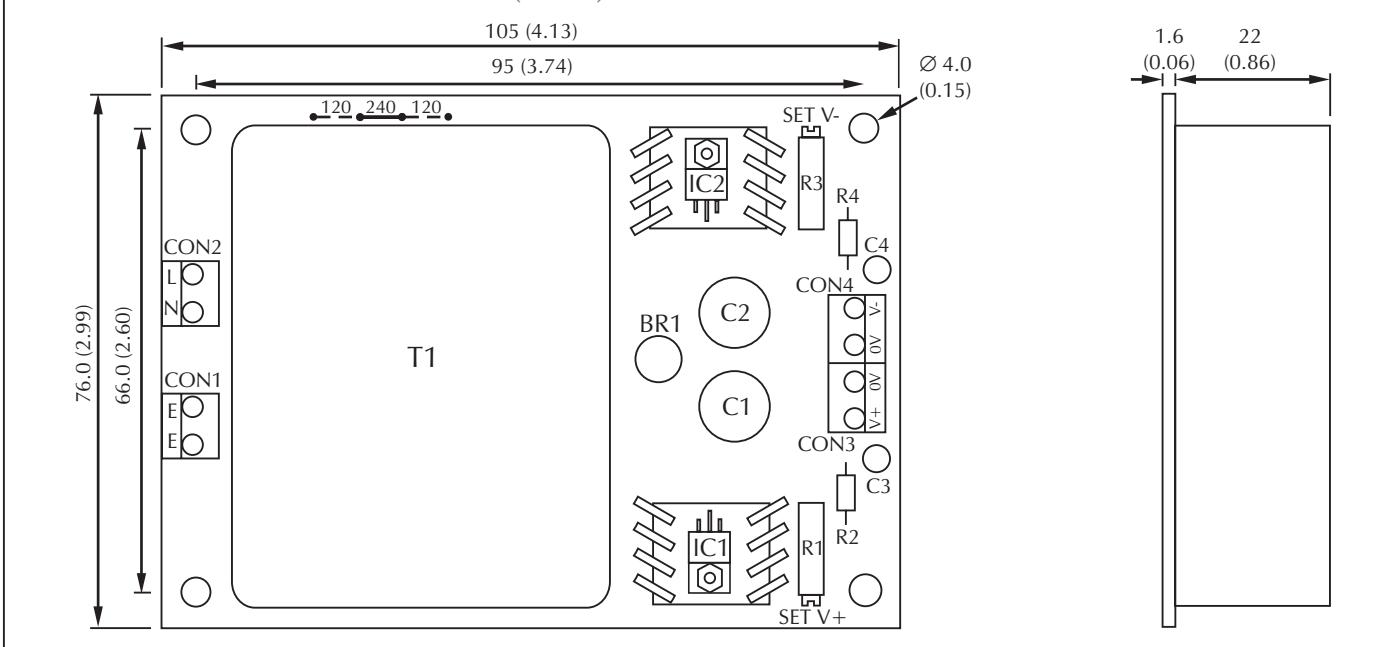
IF IN DOUBT CONTACT AN APPLICATIONS ENGINEER.

Derating Curve

The hotter the unit becomes the lower the current that may be taken from it. Enclosures should be adequately ventilated if necessary and power supplies should not be mounted upside down.



DIMENSIONS All dimensions in mm (inches)



Specifications liable to change without prior warning

PSU 203

Issue 8

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M.C.

Applies to PSU 203/4