Adjustable Voltage Twin Rail Power Supply

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

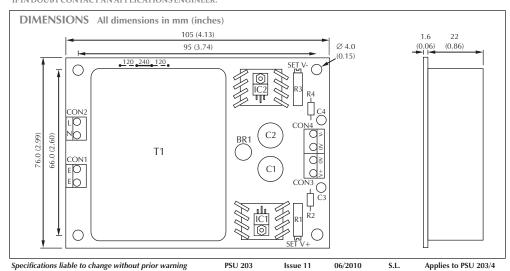
| Standard Unit         |   |      |      | S    | tock Number<br>PSU 203 |
|-----------------------|---|------|------|------|------------------------|
| Specification         |   | Min. | Тур. | Max. | Unit                   |
| Load regulation       |   |      |      | 1    | %                      |
| Line regulation       |   |      |      | 1    | %                      |
| Ripple                |   |      |      | 5    | mV                     |
| Operating temperature |   | 0    |      | 70   | °C                     |
| Output                |   |      |      |      |                        |
| Positive              | V | 5    |      | 15   | V                      |
|                       | 1 |      |      | 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.



E-mail: us-sales@lascarelectronics.com

# LASCAR ELECTRONICS LTD. LASCAR ELECTRONICS INC MODULE HOUSE, WHITEPARISH, 4258 WEST 12th STREET, WILTSHIRE: SPS 25J,UK ERIEPA 16505,USA TEL: +44 (1794) 884567 TEL: ±1 (814) 835 0621 FAX: +44 (1794) 884616 FAX: +1 (814) 838 8141

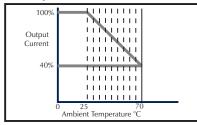
E-mail: sales@lascar.co.uk

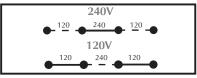
LASCAR ELECTRONICS (HK) LTD.
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#### **Derating Curve**

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.





**LASCAR** PSU 203

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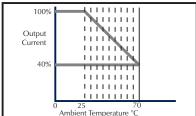
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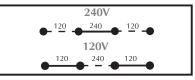
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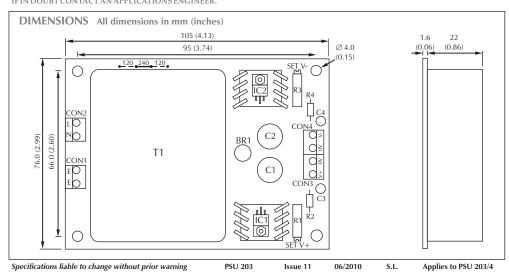




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