

Sanstar Microsystems Private Limited

EL-15, Electronic Zone, M.I.D.C,
Hingna Road, Nagpur 440-016 (India).
Mobile: 9823315380,
9765557595, 9765557597.
Telefax: +91(7104)232292, 235216.
E-mail : sales@sanstarindia.com.



DATA SHEET

Model No: SSM1204DB04 (Isolated)

Ordering Code: SSMCD041204

Switching Mode Power Supply 12V4A.

Features:

- Top switch based offline switcher.
- Maximum output power of 48W.
- High efficiency, High reliability, Low cost.
- AC input 180V ~ 265VAC.
- Built-in EMI filter.
- Low Ripple and Noise.
- Soft start circuit to limit the AC inrush current.
- Three pin power cord for input.
- Terminal Block output connector.
- Output indication for each terminal block.
- Compact, Light weight.
- Momentary output short circuit protection, Over voltage protection.
- 100% Full load burn-in test.

Specifications:*** Input Characteristics**

Input Voltage	180V – 265 VAC.
Input Frequency	45 – 60 Hz.
Input Connector	3 Pin power cord.
Filters	EMI/RFI.

*** Output Characteristics**

Output Voltage	12 VDC.
Output Current	4 A (Each channel 1A).
Max. Output Power	48W (Each channel 12W).
Output Connector	8 – Way terminal block connector.
Output Indication	Output Ok – Green colour LED. For each terminal block
Output Protection	Over Voltage Protection.
Line Regulation	< +/- 0.5%.
Load Regulation	< +/- 0.5%.
Ripple and Noise	< +/- 1% P-P.

*** Environmental Characteristics**

Operating Temperature	55 °C at Full Load and 70°C at 60% load.
Maximum Temperature Rise	50°C.
Cooling	By free air convection.
Relative Humidity	95% NC.

*** General Characteristics**

Efficiency	70%.
Hold Time	> 20mSec on full load.
Dimension (L X W X H) mm	200 X 110 X 45
Mounting	Wall Mounting/Table Top.

Note:

- 1) All these parameters are specified at 230V AC input.
- 2) For continuous improvement, specifications are subject to change without prior intimation.