



# Micro Power

SWITCHING MODE POWER SUPPLY

Sanstar Microsystems Private Limited

EL-15, Electronic Zone, M.I.D.C,  
Hingna Road, Nagpur 440-016 (India).

Mobile: 9823315380,  
9765557595, 9765557597.

Telefax: +91 (07104) 232292, 235216.

E-mail: [sales@sanstarindia.com](mailto:sales@sanstarindia.com).

## DATA SHEET

Model No: SSM1201DB04

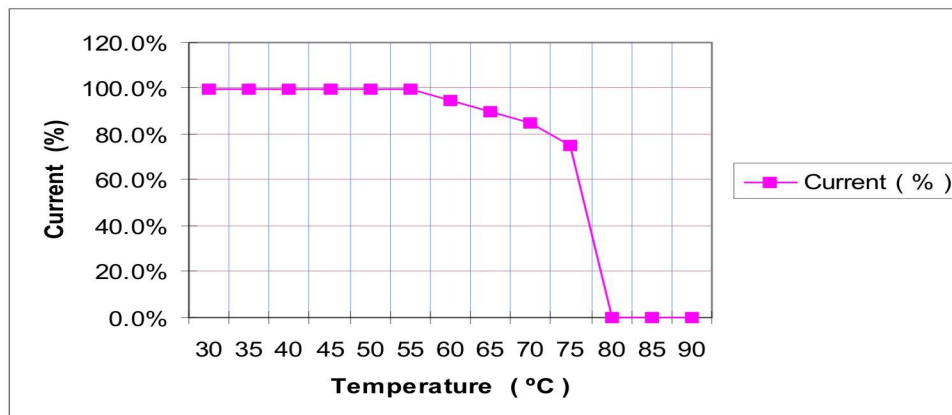
Ordering Code: SSMUD041201

### Switching Mode Power Supply 12V 01A.

#### Features:

- Latest state of -the -art current mode PWM Controller and MOSFET based design.
- Maximum output power of 15W.
- High efficiency, High reliability, Low cost.
- Universal AC input 90V ~ 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.
- Compact, Light weight.
- Momentary output short circuit protection, Over voltage protection.
- 100% Full load burn-in test.
- Toggle switch for each terminal block.

#### Derating Curve for SMPS 12V 01A.



## Specifications:

### \* Input Characteristics

Input Voltage	90V - 265 VAC.
Input Frequency	45 - 60 Hz.
Input Connector	3 Pin power cord.
Input Protections	a) 2 Amp, 20mm fast blow, Glass fuse. b) MOV, for input over voltage protection.
Filters	EMI/RFI.

### \* Output Characteristics

Output Voltage	12 VDC.
Output Current	1 A.
Max. Output Power	15 W.
Output Connectors	Two 4 - way terminal block connectors.
Output Indications	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	120 X 125 X 85.
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.