

 **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.

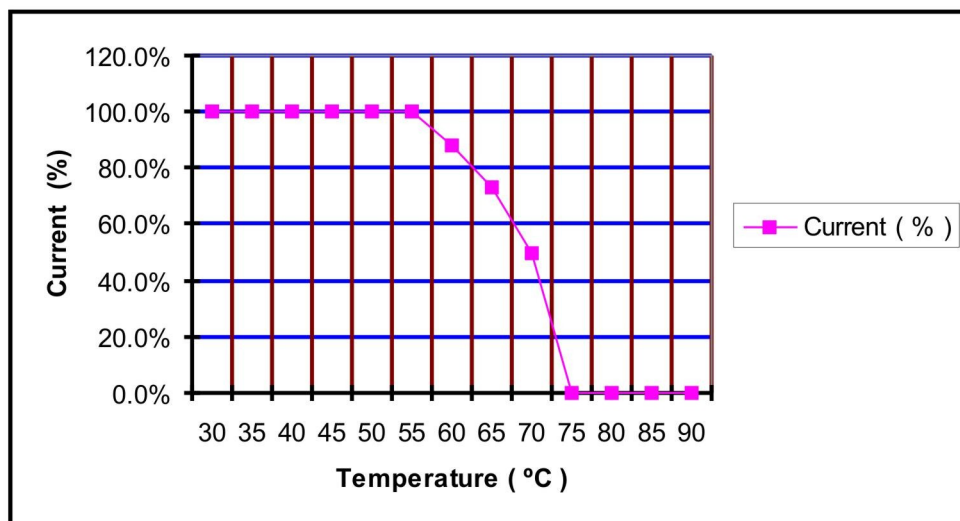
DATA SHEET
Model No: SSM0510
Ordering Code: SSMCS0510

Switching Mode Power Supply 05V 10A.

Features:

- Latest state of -the -art current mode PWM Controller and MOSFET based design.
- Maximum output power of 50W.
- High efficiency, High reliability, Low cost.
- AC input voltage range 180V ~ 265VAC.
- Built-in EMI filter.
- Low Ripple and Noise.
- Soft start circuit to limit the AC inrush current.
- Screw type input and output connectors.
- Compact, light weight.
- Momentary output Short circuit protection, Over voltage protection.
- 100% Full load burn-in test.

Derating Curve for SMPS 05V 10A.



Specifications:

* Input Characteristics

| | |
|-------------------|---|
| Input Voltage | 180V - 265 VAC. |
| Input Frequency | 45 - 60 Hz. |
| Input Connector | 3-pin screw type connector. |
| Indication | Input Ok - Yellow colour LED. |
| Input Protections | a) 2 Amp, 20mm fast blow, Glass fuse. b) MOV, for input over voltage protection. |
| Filters | EMI/RFI. |

* Output Characteristics

| | |
|--------------------|--|
| Output Voltage | 05 VDC. |
| Output Current | 10 A. |
| Max. Output Power | 50 W. |
| Output Connectors | Two 2-pin screw type connectors. |
| Output Indications | a) Output Ok - Green colour LED. b) OVP - Red colour LED. |
| 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 | 185 X 115 X 60. |
| Mounting | Panel Mounting. |

Note:

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