



# Micro Power

**SWITCHING MODE POWER SUPPLY**

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## DATA SHEET

**Model No: 210375DCDC1210FB**

**Ordering Code: 210375DCDC1210FB**

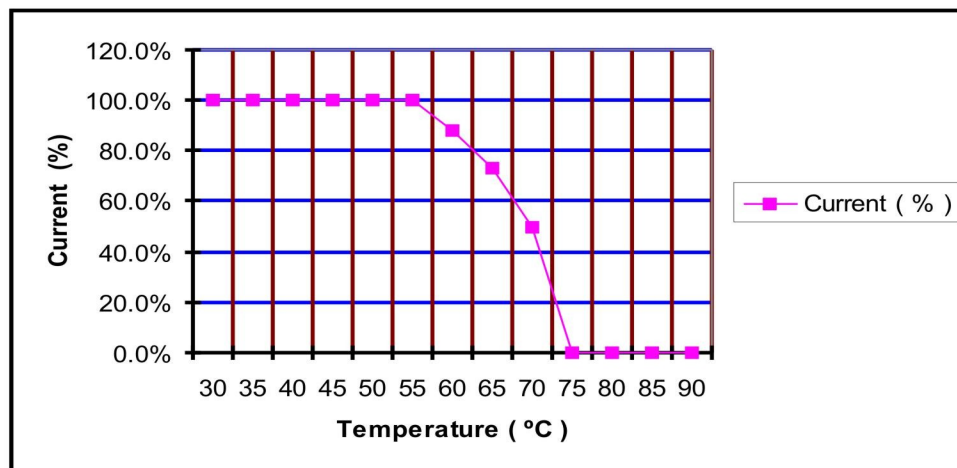
DC-DC Converter Model

Input 210 - 375 VDC: Output 12 VDC @ 10 A.

### Features:

- Latest state of -the -art current mode PWM Controller and MOSFET based design.
- Maximum output power of 120W.
- High efficiency, High reliability, Low cost.
- DC input voltage range 210V - 375V DC.
- Low Ripple and Noise.
- 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 210375DCDC1210FB.



## Specifications:

### \* Input Characteristics

Input Voltage	210V - 375V DC.
Input Connector	3-pin screw type connector.
Indication	Input Ok - Yellow colour LED.
Input Protections	a) Fuse 4 Amp, 20 mm fast blow, Glass. b) MOV for input over voltage protection. c) Thermister, for inrush current, depending on DC input source (Battery or rectified supply).

### \* Output Characteristics

Output Voltage	12 VDC.
Output Current	10 A.
Max. Output Power	120 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.
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.
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 325V DC input.
- 2) For continuous improvement, specifications are subject to change without prior intimation.