

# DATASHEET



## **DLS-1212DC Series**

12V-12V DC to DC Converter

Product specification

July 2009

**12V-12V DC to DC Converter****DLS-1212DC Series****General Description:**

This product is designed to provide 12V to 12V power conversion for heavy duty applications in vehicle.

**Features:**

High efficiency, high precision DC to DC Converter unit. Wide input voltage range, with over-current and over-voltage protection function.

- Under and Over Voltage Protection
- Reverse Polarity Protection
- Voltage Transient Protection
- Over load and Short Circuit Protection
- Status Indicator
- Input-output isolation

**Quick Reference Data:**

Model No	Input Voltage	Output Voltage	Output Current (A)	Efficiency	Ripple
DLS-1212DC	12VDC	12VDC	3,5,8,10,12,15	85%	<150mV

**ELECTRICAL SPECIFICATIONS**

<b>Input Voltage:</b>	11V DC to 15V DC
<b>Output Voltage:</b>	12V DC (Regulated)
<b>Output Current (A):</b>	3, 5, 8, 10, 12, 15
<b>Reverse Polarity:</b>	18V DC
<b>Line Regulation:</b>	±1%
<b>Load Regulation:</b>	± 5% at terminal block
<b>Switching Frequency:</b>	70 KHz
<b>Efficiency:</b>	80% Typical
<b>Operating Temperature:</b>	-40 to 80 °C
<b>Humidity:</b>	Up to 95% RH
<b>Heat Sink Temperature:</b>	100°C
<b>Storage Temperature Range:</b>	- 55°C to + 105°C
<b>Weight:</b>	1200gm
<b>Dimension (Height x width x depth):</b>	7cm x 19.5cm x 17cm

Place of origin: India