

# DATASHEET



## **DLS-4812DC Series**

48V-12V DC to DC Converter

Product specification

July 2010

**48V-12V DC to DC Converter****DLS-4812DC Series****General Description:**

This product is designed to provide 48V to 12V power conversion for heavy duty applications.

**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-4812DC	48VDC	12VDC	3, 5, 8, 10, 12	85%	<150mV

**ELECTRICAL SPECIFICATIONS**

<b>Input Voltage:</b>	<b>38V DC to 62V DC</b>
<b>Output Voltage:</b>	<b>12V DC (Regulated)</b>
<b>Output Current (A):</b>	<b>3, 5, 8, 10, 12</b>
<b>Reverse Polarity:</b>	<b>80V DC</b>
<b>Line Regulation:</b>	<b>±1%</b>
<b>Load Regulation:</b>	<b>± 5% at terminal block</b>
<b>Switching Frequency:</b>	<b>70 KHz</b>
<b>Efficiency:</b>	<b>80% Typical</b>
<b>Topology:</b>	<b>Transformer isolated forward converter</b>
<b>Operating Temperature:</b>	<b>-40 to 80 °C</b>
<b>Humidity:</b>	<b>Up to 95% RH</b>
<b>Heat Sink Temperature:</b>	<b>100°C</b>
<b>Storage Temperature Range:</b>	<b>- 55°C to + 105°C</b>
<b>Weight:</b>	<b>1200gm</b>
<b>Dimension (Height x width x depth):</b>	<b>195 x 150 x 75 mm</b>

Place of origin: India

## Dimensions:

DIGILOG  
SYSTEMS

### 48-12V DC-DC Converter

