

DATASHEET



DLS-11024DC Series

110V-24V DC to DC Converter

Product specification

July 2012

110V-24V DC to DC Converter**DLS-11024DC Series****General Description:**

This product is designed to provide 110V to 24V 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
- Wide input voltage range
- 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-11024DC | 110VDC | 24VDC | 1,3,5,8,10,12 | 85% | <150mV |

ELECTRICAL SPECIFICATIONS

| | |
|--|---|
| Input Voltage: | 100V DC to 130V DC |
| Output Voltage: | 24V DC (Regulated) |
| Output Current (A): | 1, 3, 5, 8, 10, 12 |
| Reverse Polarity: | 150V DC |
| Line Regulation: | ±1% |
| Load Regulation: | ± 5% at terminal block |
| Switching Frequency: | 70 KHz |
| Efficiency: | 80% Typical |
| Topology: | Transformer isolated forward converter |
| Operating Temperature: | -40 to 80 °C |
| Humidity: | Up to 95% RH |
| Heat Sink Temperature: | 100°C |
| Storage Temperature Range: | - 55°C to + 105°C |
| Weight: | 1200gm |
| Dimension (Height x width x depth): | 195 x 150 x 75 mm |

Place of origin: India

Dimensions:

DIGILOG
SYSTEMS

110-24V DC-DC Converter

