

DATASHEET



DLS-2412DC Series

24V-12V DC to DC Converter

Product specification

July 2010

24V-12V DC to DC Converter**DLS-2412DC Series****General Description:**

This product is designed to provide 24V 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-2412DC	24VDC	12VDC	3,5,8,10,12,15,18,20	85%	<150mV

ELECTRICAL SPECIFICATIONS	
Input Voltage:	22V DC to 28V DC
Output Voltage:	12V DC (Regulated)
Output Current (A):	3, 5, 8, 10, 12, 15, 18, 20
Reverse Polarity:	30V 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

24-12V DC-DC Converter

