DC-DC Converters

DLS-1203DC Series

12 to 03V DC Power Supply



- I High efficiency
- I High precision
- I Heavy duty applications

DLS-1203DC Series DC-DC Converter Datasheet 10-16 VDC Input and 3 VDC output



Applications:

- Automotive
- Telecommunications
- Distributed power
- Defense
- Aerospace
- Medical
- And other applications requiring high efficiency

General Description:

Nelso[™] is manufacturer of high precision, high reliability DC-DC Converter in Kolkata, India. This product is designed to provide 12V to 3V power conversion for heavy duty applications.

Features:

- Input-output isolation
- High efficiency
- High precision
- Wide input voltage range
- Over-voltage protection
- Under voltage protection
- Reverse polarity protection
- Voltage transient protection
- Over load protection
- Short circuit protection

Quick Reference Data:

Model No.		Output Voltage		Efficiency	Ripple
DLS-1203DC	12V DC	3V DC	3A 5A 8A 10A 12A	85%	<150mV

Electrical Specification:

Input Voltage:	10V DC to 16V DC		
Output Voltage:	3V DC (Regulated)		
Output Current:	1, 3, 5, 8, 10, 12 A		
Reverse Polarity:	30V DC		
Line Regulation:	±1%		
Load Regulation:	± 5% at terminal block		
Switching Frequency:	80 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:	475gm		
Dimension (Height x width x depth):	128 x 85 x 63 mm		