

# DC-DC Converters

## LM2576DC-OF Series

*Adjustable DC Power Supply*



- *High efficiency*
- *High precision*
- *Heavy duty applications*

# LM2576DC-OF Series DC-DC Converter Datasheet

## Up to 55VDC Input and adjustable 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 adjustable power conversion for applications.

### Features:

- Non-isolated
- High efficiency
- High precision
- Wide input voltage range
- Reverse polarity protection
- Voltage transient protection
- Over load protection
- Short circuit protection

### Quick Reference Data:

Model No.	Input Voltage	Output Voltage	Output Current	Efficiency	Ripple
LM2576DC-OF	4-55V DC	2-52V DC	3A(Max)	>80%	<150mV

### Electrical Specification:

Input Voltage:	4V DC to 55V DC
Output Voltage:	2V to 52VDC (Adjustable)
Output Current:	3A(Max)
Reverse Polarity:	100V DC
Line Regulation:	±0.5%
Load Regulation:	± 0.5% at terminal block
Switching Frequency:	52 KHz
Efficiency:	>80% Typical
Topology:	Non-isolated step-down module (buck)
Operating Temperature:	-40 to 70 °C
Humidity:	Up to 95% RH
Heat Sink Temperature:	100°C
Storage Temperature Range:	- 55°C to + 105°C
Weight:	50gm
Dimension (Length x Width x Height):	65mm x 32mm x 42mm