

PDL06-D Series

6 Watt Dual Outputs DC/DC Converter

Features

- Meet IEC/EN60950, UL60950 safety standards
- Industry standard footprint: 1"x1"x0.4"(25.40x25.40x10.16mm³)
- Typical efficiency: 80%, for 5Vout
- 4:1 wide input voltage range: 9-36V ,18-75V
- Single output: $\pm 5V$, $\pm 12V$, $\pm 15V$
- Low output ripple and noise
- Isolation voltage: 1500Vdc,1min (Input-Output; Input-Case; Output-Case)

Environmental

- Operating ambient temperature range: -40°C to 85°C
- Operating board temperature range: -40°C to 100°C
- Storage temperature range: -55°C to 125°C
- Temperature coefficient: $< \pm 0.02\%/^{\circ}\text{C}$
- MTBF: >2 million hrs

Electrical Specifications

Input

Input range: 9-36V ,18-75V

Output

Voltage setpoint accuracy: $\pm 3.0\%V_o$ max

Voltage adjust: None

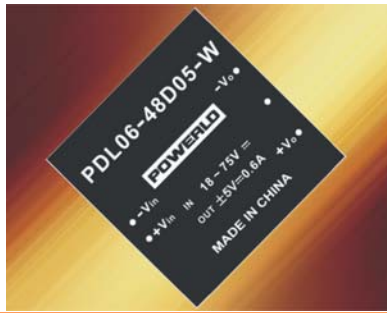
Line regulation: $0.5\%V_o$ max

Load regulation: $2.0\%V_o$ max

Ripple and noise: $< 0.5\%V_o$ mVpp max.

Transient response: $5\%V_o$ max

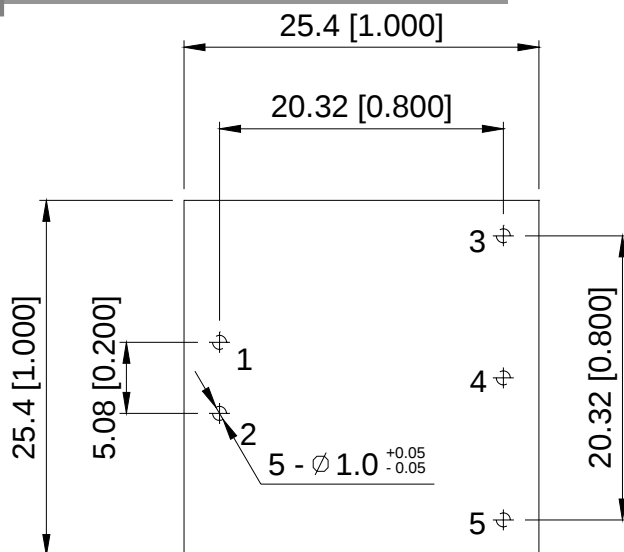
Recovery $< 300\mu\text{s}$
(50%~75%~50% $I_{o\text{max}}$)
 di/dt : 1A/10 μs



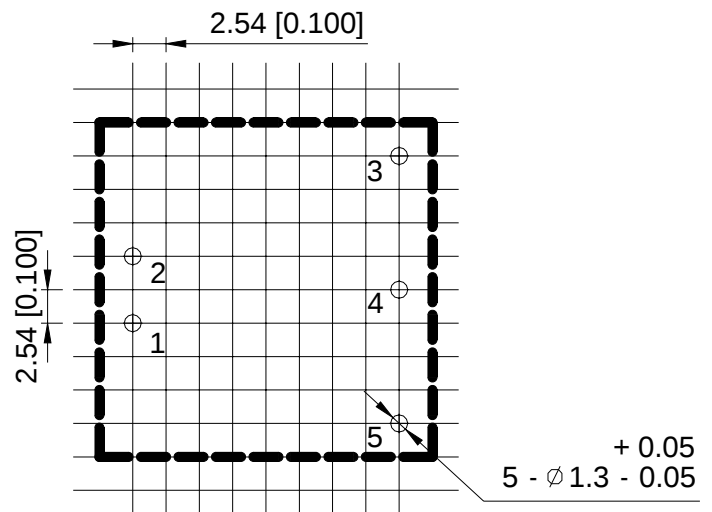
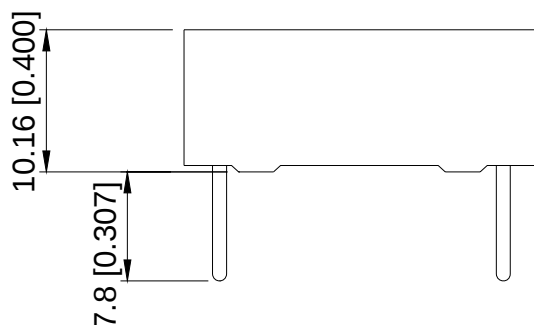
Ordering Information

Input Voltage	Output Voltage	Output Current	Efficiency	Model Number
12V	±5V	0.6A	80%	PDL06-12D05-W
12V	±12V	0.25A	82%	PDL06-12D12-W
12V	±15V	0.2A	83%	PDL06-12D15-W
48V	±5V	0.6A	81%	PDL06-48D05-W
48V	±12V	0.25A	82%	PDL06-48D12-W
48V	±15V	0.2A	82%	PDL06-48D15-W

Dimensions



Top View



Pin Assignments

- | | |
|---|------|
| 1 | -Vin |
| 2 | +Vin |
| 3 | -Vo |
| 4 | COM |
| 5 | +Vo |

Pin Length: 7.8mm

TOLERANCES: X.Xmm=+/-0.5mm
X.XXmm=+/-0.25mm

Unit:mm[inch]