

PDJ06-D Series

6 Watt Dual Outputs DC/DC Converter

Features

- Meet IEC/EN60950, UL60950 safety standards
- Industry standard footprint: 0.8"x1.25"x0.4" (20.30x31.80x10.16mm³)
- 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% $I_{o\text{max}}$)

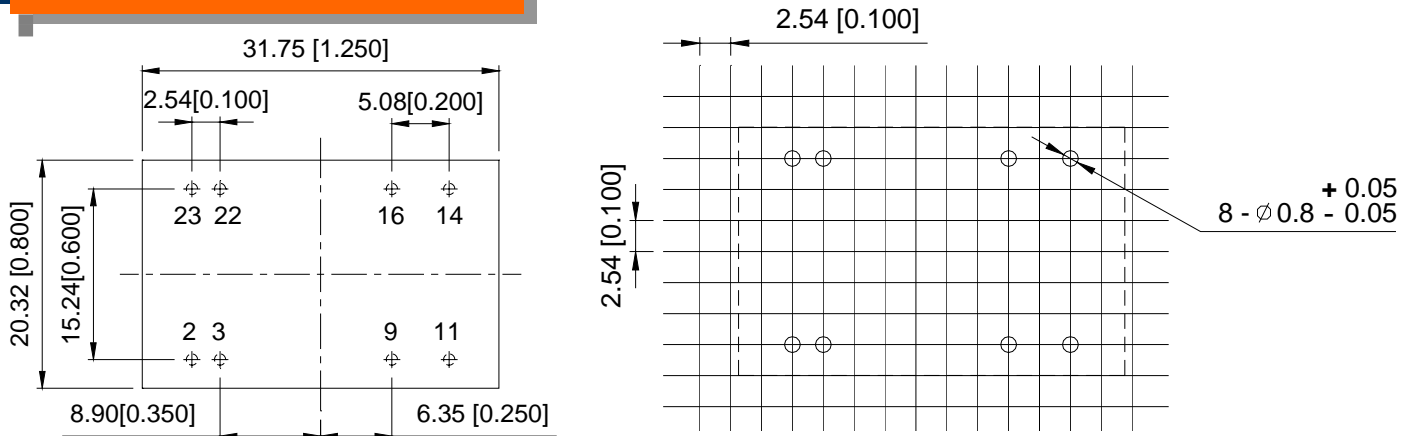
di/dt: 1A/10 μs



Ordering Information

Input Voltage	Output Voltage	Output Current	Efficiency	Model Number
12V	±5V	0.6A	80%	PDJ06-12D05-W
12V	±12V	0.25A	82%	PDJ06-12D12-W
12V	±15V	0.2A	83%	PDJ06-12D15-W
48V	±5V	0.6A	81%	PDJ06-48D05-W
48V	±12V	0.25A	82%	PDJ06-48D12-W
48V	±15V	0.2A	82%	PDJ06-48D15-W

Dimensions



Top View

Pin Assignments

2,3	-Vin
22,33	+Vin
9,16	COM
11	-Vo
14	+Vo

Pin Length: 4.8mm

TOLERANCES: X.Xmm= \pm 0.5mm
X.XXmm= \pm 0.25mm

Unit:mm[inch]