

PDJ06-S Series

6 Watt Single Output DC/DC Converter

Features

- Meet IEC/EN60950, UL60950 safety standards
- Industry standard footprint: 0.8"x1.25"x0.4" (20.30x31.80x10.16mm³)
- High efficiency: 83%, 15Vout
- 4:1 wide input voltage range: 9-36V ,18-75V
- Single output: 3.3V, 5V, 12V, 15V
- Low output ripple and noise
- Isolation voltage: 500Vdc, 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: <math><\pm 0.02\%/^{\circ}\text{C}</math>
- 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: 1.0% V_o max

Ripple and noise: <math><60\text{mV}_{\text{pp}}</math> max.

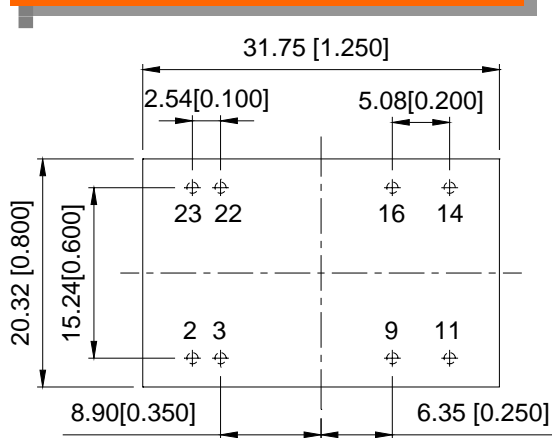
Transient response: 200mV /200us max
(50%~75%~50% I_omax)
di/dt: 1A/10uS



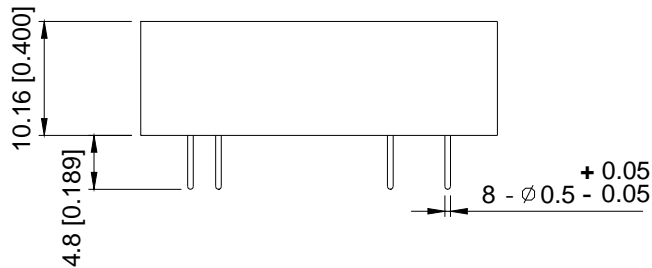
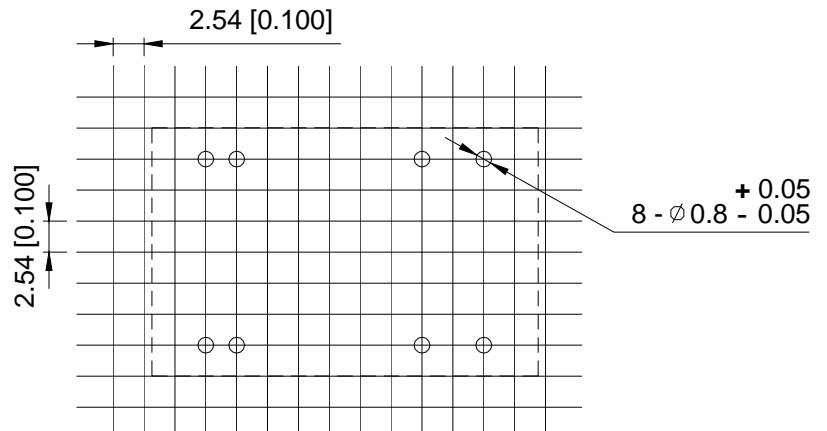
Ordering Information

Input Voltage	Output Voltage	Output Current	Efficiency	Model Number
12V	3.3V	2A	78%	PDJ06-12S3V3-W
12V	5V	1.2A	80%	PDJ06-12S05-W
12V	12V	0.5A	82%	PDJ06-12S12-W
12V	15V	0.4A	82%	PDJ06-12S15-W
48V	3.3V	1.5A	76%	PDJ06-48S3V3-W
48V	5V	1.2A	80%	PDJ06-48S05-W
48V	12V	0.5A	82%	PDJ06-48S12-W
48V	15V	0.4A	83%	PDJ06-48S15-W

Dimensions



Top View



Pin Assignments

2,3	-Vin
22,23	+Vin
9	NP
14	+Vo
11	NC
16	-Vo

Pin Length: 4.8mm

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

Unit:mm[inch]