

PDD10-12S Series

10 Watt Single Output

Features

- Approved to IEC/EN60950, UL60950 safety standards
- Industry standard footprint: 2" x 1" x 0.4" (50.80 x 25.40 x 10.16mm³)
- Typical efficiency: 81%
- Wide input voltage: 9-18V
- Single output: 3.3V, 5V, 12V, 15V
- Trim function
- No minimum load requirement
- Isolation voltage: 1500Vdc, 1min (Input-Output; Input-Case; Output-Case)

Electrical Specifications

Input

Input range: 9-18Vdc

Output

Voltage setpoint accuracy: $\pm 1.0\%V_{o\max}$.

Voltage adjust: 90% to 110% V_o

Line regulation: 0.2% $V_{o\max}$.

Load regulation: 0.5% V_o max.

Ripple and noise: <50mVpp max.

Transient response: 200mV max.

recovery < 200uS max.

(25% step load change from 50% I_o)
di/dt: 1A/10uS

Environmental

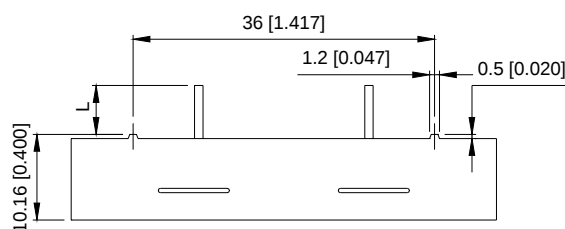
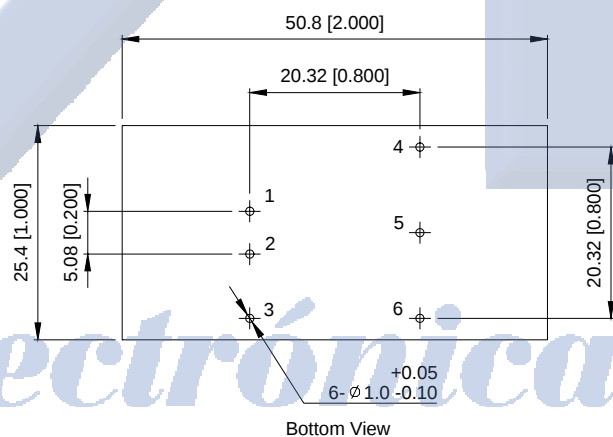
- Operating ambient temperature range: -40 to 55
- Operating case temperature range: -40 to 100
- Storage temperature: -55 to 125
- Temp.coefficient: $<\pm 0.02\%/$
- MTBF: >2 million hrs



Ordering Information

Input Voltage	Output Voltage	Output Current	Efficiency	Model Number
12V	3.3V	3A	76%	PDD10-12S3V3
12V	5V	2A	81%	PDD10-12S05
12V	12V	0.83A	81%	PDD10-12S12
12V	15V	0.67A	81%	PDD10-12S15

Dimensions



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

Unit:mm[inch]

Notes: The detail and recommended hole pattern layout is available in the Application Manual.

Pin Assignments

1	+Vin
2	-Vin
3	NC
4	+Vo
5	TRIM
6	-Vo

Pin Length: 5.8mm