

PB-S Series

Single Output DC/DC Converter

Features

- Efficiency up to 70%
- -40°C to +85°C Ambient operating temperature
- SIP small package, industry standard pins
- Typical input types: 5/ 12/ 24Vdc
- I/O isolation for 1000Vdc
- No need of peripheral components
- Meet for ROHS

Environmental

- Case temperature rise :
25°C max
- Storage temperature:
-55°C to 125°C
- Operating humidity:
≤95%
- Cooling method:
Nature cooling

Electrical Specifications

Input

Input range: (1±10%) of typical input

Output

Voltage setpoint: ±5.0%Vo

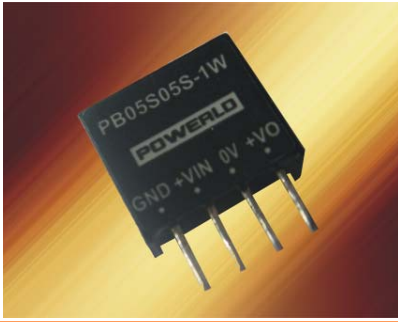
Voltage adjust: None

Line regulation: 1.2%Vo max.
(Vin varies 1%)

Load regulation: 10%Vo max.
(Io=10%-100%Iomax)

Ripple: 75mVp-p max.

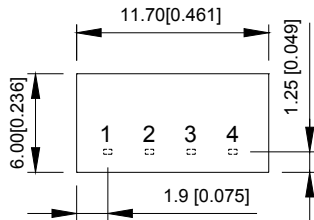
Noise: 150mVp-p max.



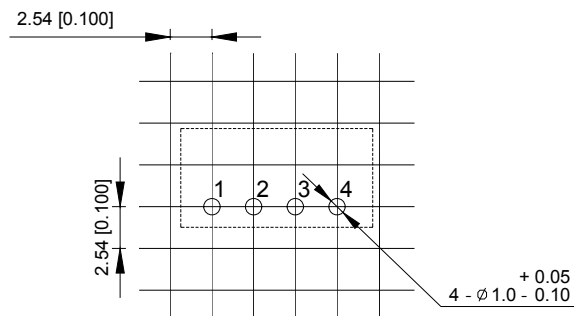
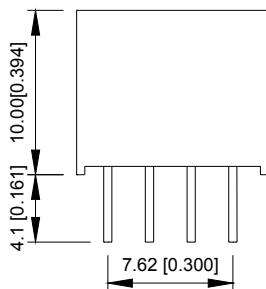
Ordering Information

Input Voltage	Output Voltage	Output Current	Efficiency	Model Number
5V	5V	20~200mA	69%	PB05S05S-1W
5V	9V	12~111mA	78%	PB05S09S-1W
5V	12V	9~83mA	78%	PB05S12S-1W
5V	15V	7~67mA	80%	PB05S15S-1W
12V	5V	20~200mA	71%	PB12S05S-1W
12V	9V	12~111mA	76%	PB12S09S-1W
12V	12V	9~83mA	78%	PB12S12S-1W
12V	15V	7~67mA	79%	PB12S15S-1W
24V	5V	20~200mA	70%	PB24S05S-1W
24V	9V	12~111mA	77%	PB24S09S-1W
24V	12V	9~83mA	78%	PB24S12S-1W
24V	15V	7~67mA	79%	PB24S15S-1W

Dimensions



Top View



Pin Assignments

1	GND
2	+Vin
3	0V
4	+Vo

Pin Length: 4.10mm

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

Unit:mm[inch]