

PBE-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±5%) of typical input

Output

Voltage setpoint: ±2%Vo

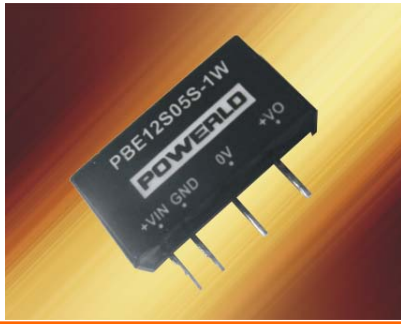
Voltage adjust: None

Line regulation: 0.5%Vo max.
(Vin ±5%)

Load regulation: 1%Vo max.
(Io=10%-100%Iomax)

Ripple: 25mVp-p max.

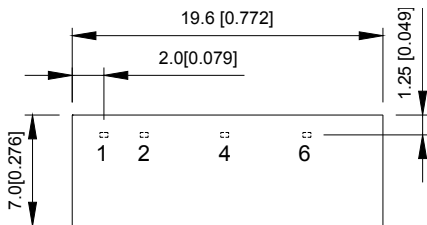
Noise: 100mVp-p max.



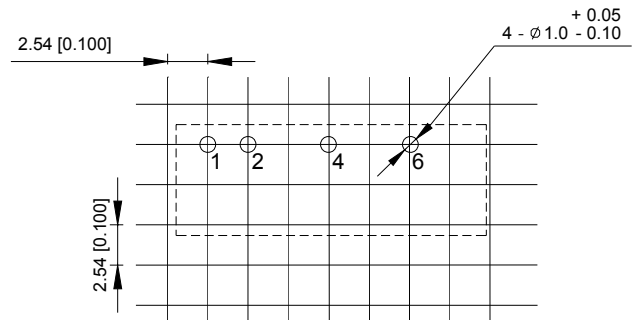
Ordering Information

Input Voltage	Output Voltage	Output Current	Efficiency	Model Number
5V	5V	20~200mA	67%	PBE05S05S-1W
5V	9V	12~111mA	71%	PBE05S09S-1W
5V	12V	9~83mA	72%	PBE05S12S-1W
5V	15V	7~67mA	73%	PBE05S15S-1W
12V	5V	20~200mA	70%	PBE12S05S-1W
12V	9V	12~111mA	72%	PBE12S09S-1W
12V	12V	9~83mA	73%	PBE12S12S-1W
12V	15V	7~67mA	74%	PBE12S15S-1W
24V	5V	20~200mA	68%	PBE24S05S-1W
24V	9V	12~111mA	73%	PBE24S09S-1W
24V	12V	9~83mA	73%	PBE24S12S-1W
24V	15V	7~67mA	75%	PBE24S15S-1W

Dimensions



Top View



Pin Assignments

1	+Vin
2	GND
4	0V
6	+Vo

Pin Length: 4.10mm

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

Unit:mm[inch]