

Features

- Small size, high efficiency
- Design flexibility
- Wide operating temperature
- ErP compliant
- Overcurrent protection
- Overvoltage protection
- RoHS compliant
- 5 year manufacturer's warranty



Specifications

INPUT	PBB7A-5B	PBB7A-12B	PBB7A-24B
Voltage	85–264VAC 120–370VDC		
Current	ACIN 100V 0.08typ (Io=100%) ACIN 200V 0.05typ (Io=100%)		
Frequency	50/60 (47–63)		
Efficiency			
ACIN 100V	79typ	81typ	81typ
ACIN 200V	78typ	79typ	79typ
Inrush current	Limited by external components		
Leakage current mA	0.40/0.75 max. (ACIN 100V/240V, 60Hz, Io=100%, according to IEC60950-1)		

OUTPUT

Voltage	5V	12V	24V
Current	0.6A	0.25A	0.13A
Line regulation mV	20 max.	48 max.	96 max.
Load regulation mV	40 max.	100 max.	150 max.
Ripple mVp-p			
• 30–100% load	120 max.	160 max.	200 max.
• 0–30% load	400 max.	480 max.	580 max.
AC85–240V			
Ripple Noise			
• 30–100% load	160 max.	200 max.	240 max.
• 0–30% load	480 max.	560 max.	660 max.
AC85–240V			
Temperature Regulation mV			
• 0 to +85°C	100 max.	180 max.	360 max.
• -40 to +85°C	150 max.	270 max.	480 max.
Drift mV	20 max.	48 max.	96 max.
Voltage Setting V	4.90–5.30	11.40–12.60	23.00–25.00

OPERATING

Overcurrent protection	Works over 105% of rating and recover automatically		
Overvoltage protection	5.50–8.00	13.20–19.20	26.40–38.40
Input/Output	AC3,000 1 minute, cut off current=10mA, DC5000V 50MΩ min (20 ± 15°C)		

ENVIRONMENTAL

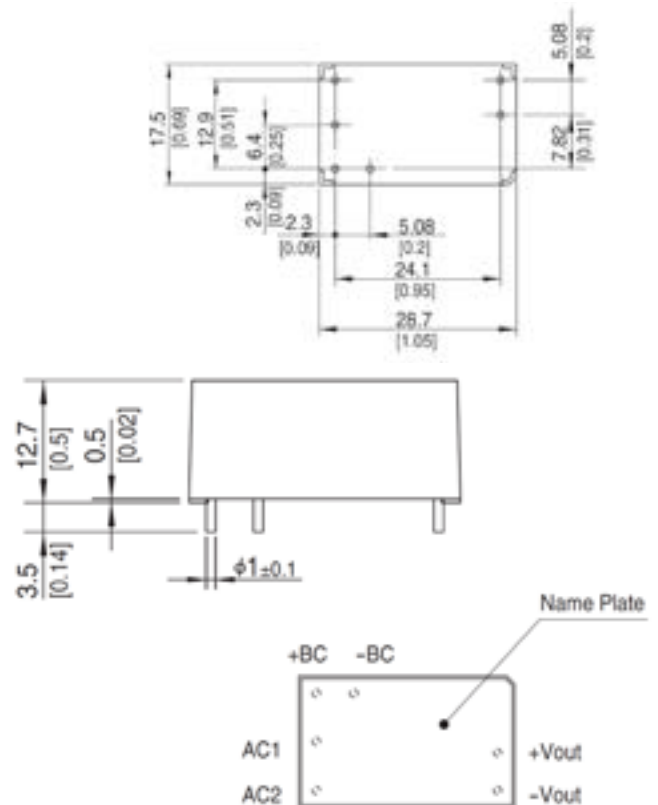
Temperature range	-40 to +85°C (some derating required, ask sales office)
Humidity	20–95%RH (Non condensing)
Altitude	3,000m (10,000 feet) max
Cooling	Convection/forced air

MECHANICAL

Dimensions (LxWxH)	28.7x12.7x17.5mm
Weight	15g

STANDARDS & APPROVALS

	UL60950-1, C-UL (CSA60950-1), EN60950-1
Conducted Noise	FCC-B, VCCI-B, CISPR-B, EN55022-B
Harmonic Attenuator	IEC61000-3-2 (Class A)



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14PB033 PBB7A-B Series Spec Sheet

Authorised, valued-added distributor

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