

**KEY FEATURES**

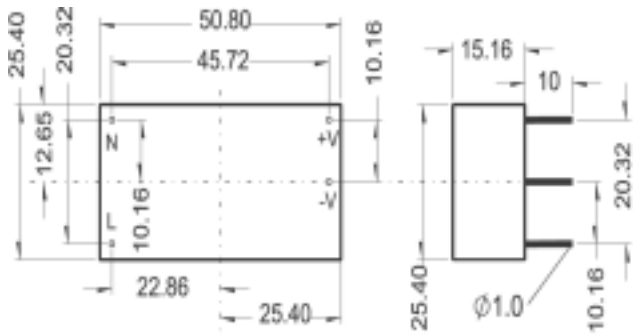
- Switching Power Modules for PCB Mounting
- Fully Encapsulated Plastic Case
- Universal Input Range 90-260VAC, 47-440 Hz
- Regulated Output
- Low Ripple and Noise
- High Efficiency
- CE, cUL, TUV Approvals
- 2-Year Product Warranty


**ELECTRICAL SPECIFICATIONS**

Model No.	PWB-5000	PWB-5001	PWB-5002	PWB-5003	PWB-5005	
Max output wattage (W)	4W	5W	5W	5W	5.5W	
Input	Voltage					
	90-260 VAC or 120-370 VDC					
	Frequency (Hz)					
	47-440 Hz					
	Current (Full load)					
	110 mA max. (115 VAC) / 70 mA max. (230 VAC)					
Input	Inrush current (<2ms)					
	10 A max. (115 VAC) / 20 A max. (230 VAC)					
	Leakage Current					
	0.75 mA max.					
	External fuse (recommend)					
	1.5 A slow blow type					
Output	Voltage (V.DC.)	3.3V	5V	12V	15V	24V
	Voltage accuracy	±2%	±2%	±2%	±2%	±2%
	Current (mA) max	1250	1000	420	333	230
	Line regulation (typ.)	±0.3%	±0.3%	±0.3%	±0.3%	±0.3%
	Load regulation (5-100%) (typ.)	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Minimum load	0%	0%	0%	0%	0%
	Maximum capacitive load	470-23,000µF depending on model				
	Ripple & Noise	<0.5% Vout +50mV max (Vp-p)				
	Efficiency	65%	72%	73%	75%	76%
	Hold-up time	15 ms min.				
	Switching frequency	132 kHz	132 kHz	132 kHz	132 kHz	132 kHz
Protection	Over current protection	Hiccup technique, auto-recovery				
	Over voltage protection	Zener diode clamp				
	Short circuit protection	Hiccup mode, indefinite (automatic recovery)				
Isolation	Input-Output (V.AC)	3000V	3000V	3000V	3000V	3000V
Environment	Operating temperature	-25°C...+71°C				
	Storage temperature	-40°C...+85°C				
	Temperature coefficient	0.02%/°C	0.02%/°C	0.02%/°C	0.02%/°C	0.02%/°C
	Humidity	95% RH				
	MTBF	>360,000 h @ 25°C (MIL-HDBK-217F)				
Physical	Dimension (L x W x H)	2.0 x 1.0 x 0.597 Inches (50.8 x 25.4 x 15.16 mm)				
	Case Material	Plastic resin + Fiberglass (flammability to UL 94V-0)				
	Weight	30 g				
	Cooling method	Free air convection				
Safety	Agency approvals	UL/cUL, CE, TUV				
EMC	EMI (Conducted & Radiated Emission)	EN 55022 class B				
	EMS (Noise Immunity)	EN 55024				

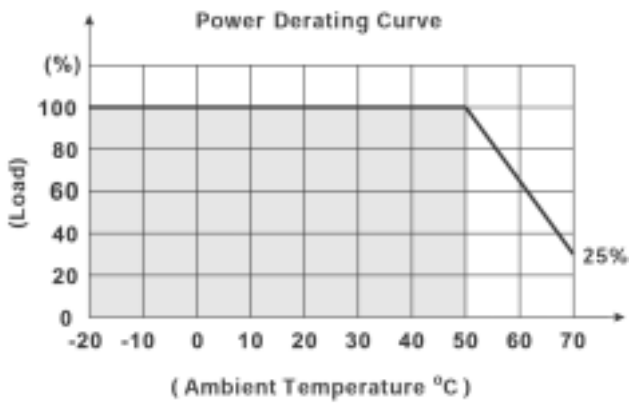
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

**MECHANICAL DIMENSION (Top View)**



PIN#	SINGLE
N	AC IN
L	AC IN
+V	+DC OUT
-V	-DC OUT

**DERATING**



**BLOCK DIAGRAM**

