



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# PW180KB

Power over Ethernet IEEE802.3af Compliant



Power over Ethernet (PoE) / SMPS

3 Year Warranty

- PoE Injector and Power Supply in One Unit
- Universal Input 100 to 250 VAC
- Desktop Style Single Output
- Ideal for Midspan Applications
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Complies with EMI/RFI Regulations
- CE Compliant
- Impact Resistant Polycarbonate Enclosure
- Private Label Marking Available
- Modified and Custom Designs Also Available



International Safety Standard Approvals



## Specifications

### Output Specifications

Voltage	+48VDC Typical, 44V to 57V	
Load Regulation	+/-4%, 44V to 57V	
Ripple and Noise	f < 500kHz	500mVp-p
	500Hz-150kHz	200mVp-p
	150kHz-500kHz	150mVp-p
	500kHz-1MHz	100mVp-p
Transient Response	0.5ms for 50% Load change Typical	
Pin Assignment	(see page 2)	

### Input Specifications

Voltage	100-250VAC -10%, +6%	
Line Frequency	47-63Hz	
Input Current	90VAC Input	0.5A max.
Protection	Internal Primary Current Fuse, Inrush Limiting	

### LED Indicator

Power Mode LED (Two colors)	Amber -	Power ON / Detection Mode
	Green -	Injecting Full Power / Power Up Mode

### General Specifications

Topology	Switching-Fixed Frequency Flyback
Dielectric Withstand	3,000VAC or 4,250VDC Primary-Secondary
Output Current	350mAdc min.
Inrush Current	450mAdc max.
Overload Current Detection	(15.4W/Vport)min. / 400mA max.
Overload Time Limit	50-75ms
Short Circuit Protection	400-450mA max.
Continuous Output Power	15.4W min. Average over 1 second.
Approvals and Safety Standards	UL60950-1, IEC/EN60950-1 EMC : EN55022 / 55024 / 61000
Weight	5.95 ounces, 170 Grams
Leakage Current	Less than 0.75mA at 265VAC 50Hz
Spacing	6.4mm Primary-Secondary
Case and Dimension	Desktop Style 3.98L x 2.40W x 1.35H (in) 101.0L x 61.5W x 34.2H (mm)
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	Dual RJ45 Jacks built into the enclosure.

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For the most current data and application support visit [www.slpower.com](http://www.slpower.com)

Ault Part Number	Output Voltage	Output Currents		Max Watts	Ripple Vp-p max.
		Min	Max		
PW180KB4800_01	48 V	0.00 A	0.35 A	15.4 W	480 mV

## Ault Part Number Key

PW180	K	B	48	00	_	01
Product Family Name	Manufacturing Location	Design Revision Changes	Voltage DC	Connector Number	Input Configuration/ Model Type	Standard (no modifications or special packaging)

## Input Configuration



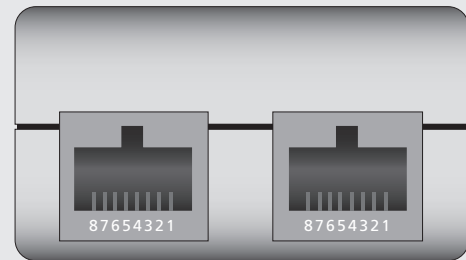
IEC320  
w/ground  
C14  
(F)



Shaver  
C8  
(N)

Specify the Input Configuration Code in your order.

## Pin Connections



J1

J2

### J1 Pins

1. Data Pair 1
2. Data Pair 1
3. Data Pair 2
4. + VDC
5. + VDC
6. Data Pair 2
7. - VDC
8. - VDC

### J2 Pins

1. Data Pair 1
2. Data Pair 1
3. Data Pair 2
4. No Connection
5. No Connection
6. Data Pair 2
7. No Connection
8. No Connection

