

# PW118

ITE 10-19 WATT SERIES

## PW118 SWITCH-MODE POWER SUPPLY

- 100-250 VAC Universal Input
- Desktop Style or Wallplug Style
- Single Output to 19W
- Regulated Output With Low Ripple
- Meets Safety Agency Requirements
- Complies With EMI/RFI Regulations
- CE Compliant
- Impact Resistant Polycarbonate Enclosure
- Private Label Marking Available
- 1 Year Warranty
- Modified and Custom Designs Also Available

### PW118

| Ault Part No.  | Voltage<br>DC | Max<br>Amps | Max<br>Watts |
|----------------|---------------|-------------|--------------|
| PW118XA0303_01 | 3V            | 3.34        | 10.0         |
| PW118XA0503_01 | 5V            | 3.00        | 15.0         |
| PW118XA0903_01 | 9V            | 2.00        | 18.0         |
| PW118XA1203_01 | 12V           | 1.50        | 18.0         |
| PW118XA1503_01 | 15V           | 1.20        | 18.0         |
| PW118XA1803_01 | 18V           | 1.00        | 18.0         |
| PW118XA2403_01 | 24V           | 0.75        | 18.0         |
| PW118XA4803_01 | 48V           | 0.40        | 19.0         |

### Ault Part No. Key

|                           |                                                    |                               |               |           |                                                      |                                                  |
|---------------------------|----------------------------------------------------|-------------------------------|---------------|-----------|------------------------------------------------------|--------------------------------------------------|
| PW118                     | X                                                  | A                             | 05            | 03        | —                                                    | 01                                               |
| Product<br>Family<br>Name | Manufacturing<br>Location<br>(volume<br>dependent) | Design<br>Revision<br>Changes | Voltage<br>DC | Connector | Input<br>Configuration/<br>Model Type<br>(see pg. 2) | Denotes<br>standard<br>or custom<br>requirements |



AULT INCORPORATED

7105 Northland Terrace | Minneapolis, Minnesota 55428 | USATEL (1) 763-592-1900

FAX (1) 763-592-1911 | E-MAIL [info@aultinc.com](mailto:info@aultinc.com) | WEB [www.aultinc.com](http://www.aultinc.com)

© Copyright 2002 Ault Inc.

# PW118

## ITE 10-19 WATT SERIES

### Input

|                |                                                |
|----------------|------------------------------------------------|
| Voltage        | 100-250 VAC -10%, +6%                          |
| Line Frequency | 47 - 63 Hz                                     |
| Current        | 0.5A max at 90 VAC input                       |
| Protection     | Internal primary current fuse, Inrush limiting |

### Output

|                                           |                                                                                    |
|-------------------------------------------|------------------------------------------------------------------------------------|
| Combined Line and Load Voltage Regulation | ±1% excluding cord                                                                 |
| Ripple                                    | 1% V p-p max for output current of >0.175A                                         |
| Transient Response                        | 0.5 msec. for 50% load change typical                                              |
| Holdup Time                               | 18 msec min. @ 120 VAC<br>60 msec min. @ 240 VAC                                   |
| Protection                                | Foldback overcurrent protection<br>Short circuit protection                        |
| Cord and Connector                        | 6 ft, 2 conductor, 18 AWG, Ault #3 connector. Other connectors are also available. |

### Safety Approvals

|                 |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| Agency Listings | cULus 60950, TUV/IEC EN60950, Japanese certification available – extra fees apply |
|-----------------|-----------------------------------------------------------------------------------|

### Electrical

|                 |                                   |
|-----------------|-----------------------------------|
| Topology        | Switching-fixed frequency flyback |
| Leakage Current | Less than 750 uA                  |
| Efficiency      | Minimum 65%                       |
| EMI             | Complies with EMC Directives      |
| CE              | CE Compliant                      |
| MTBF            | 100,000 Calculated Hours          |

### Environmental

|                       |                                |
|-----------------------|--------------------------------|
| Operating Temperature | 0° to 40° C with no derating   |
| Storage Temperature   | -30° to +85° C                 |
| Relative Humidity     | 5% to 95% non-condensing       |
| Altitude              | 0-10,000 feet                  |
| Cooling               | Convectional - non vented case |

### Mechanical

|                     |                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------|
| Case and Dimensions | 3.74L x 2.13W x 1.26H (in)<br>95.0L x 54.0W x 32.0H (mm)                                      |
| Case Material       | 94V0 polycarbonate; black is standard color; other colors available - extra charges may apply |
| Weight              | 7 ounces, 198 grams                                                                           |

### Input Configuration



IEC320  
w/ground  
C14  
(F)



IEC320  
w/o ground  
C18  
(Q)



N. America/  
Japan  
(B)



Europe  
(M)



United  
Kingdom  
(G)



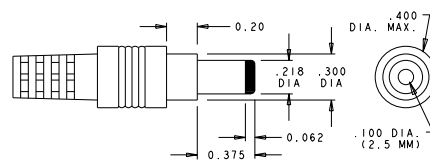
Shaver  
C8  
(N)

Inlet type: IEC320-C14, C8  
Plug type: NA, EURO, UK, SAA

Specify the Input Configuration Code in your order.

### Connector

3



|                                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| Pinout Code                                     | Center contact: positive            |
| Description                                     | Switchcraft 760 plug or equivalent  |
| Suggested Mating                                | Switchcraft 712A jack or equivalent |
| Other Connectors are available by special order |                                     |



AULT INCORPORATED

7105 Northland Terrace | Minneapolis, Minnesota 55428 | USATEL (1) 763-592-1900

FAX (1) 763-592-1911 | E-MAIL [info@aultinc.com](mailto:info@aultinc.com) | WEB [www.aultinc.com](http://www.aultinc.com)

© Copyright 2002 Ault Inc.