

PW128

ITE 13-32 WATT SERIES



PW128 SWITCH-MODE POWER SUPPLY

- 100-250 VAC Universal Input
- Desktop Style or Wallplug Style
- Single Output to 32W
- 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

PW128

| Ault Part No. | Voltage DC | Max Amps | Max Watts |
|----------------|------------|----------|-----------|
| PW128XA0303_01 | 3.3V | 4.00 | 13.2 |
| PW128XA0503_01 | 5V | 4.00 | 20.0 |
| PW128XA0603_01 | 6V | 4.00 | 24.0 |
| PW128XA0703_01 | 7V | 3.50 | 24.5 |
| PW128XA0903_01 | 9V | 3.00 | 27.0 |
| PW128XA1203_01 | 12V | 2.50 | 30.0 |
| PW128XA1503_01 | 15V | 2.00 | 30.0 |
| PW128XA1803_01 | 18V | 1.67 | 30.1 |
| PW128XA2403_01 | 24V | 1.33 | 31.9 |
| PW128XA3603_01 | 36V | 0.84 | 30.2 |
| PW128XA4803_01 | 48V | 0.67 | 32.2 |

Ault Part No. Key

| | | | | | | |
|---------------------|---|-------------------------|------------|-----------|---|---|
| PW128 | X | A | 05 | 03 | — | 01 |
| Product Family Name | Manufacturing Location (volume dependent) | Design Revision Changes | Voltage DC | Connector | Input Configuration/ Model Type (see pg. 2) | Denotes standard or custom requirements |



AULT INCORPORATED

PW128

ITE 13-32 WATT SERIES

Input

| | |
|----------------|--|
| Voltage | 100-250 VAC -10%, +6% |
| Line Frequency | 47 - 63 Hz |
| Current | TBD 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. @ 120VAC |
| Protection | Foldback overcurrent protection 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 |
|-----------------|--|

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.

Electrical

| | |
|----------------------|--|
| Topology | Switching-fixed frequency flyback |
| Dielectric Withstand | 3000 VAC, 4250 VDC primary-secondary 500 VDC secondary-ground |
| Spacing | 6.4mm primary-secondary |
| Leakage Current | Less than 750 uA |
| Efficiency | Minimum 75% |
| EMI | Complies with EMC Directives |
| CE | CE Compliant |
| MTBF | 100,000 Calculated Hours |

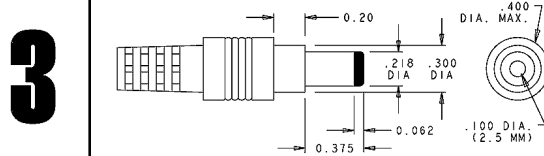
Environmental

| | |
|-----------------------|--------------------------------|
| 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) 95.0L x 54.0W x 32.0H (mm) |
| Case Material | Black 94V0 polycarbonate |
| Weight | 7 ounces, 198 grams |

Connector



| | |
|---|-------------------------------------|
| 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