

PW160

ITE 15-48 WATT SERIES



PW160 SWITCH-MODE POWER SUPPLY

- 100-250 VAC Input
- Desktop Style
- Single Output Up to 48W
- Regulated Output With Low Ripple
- Meets Safety Agency Requirements
- Complies With EMI/RFI Regulations
- CE Compliant
- Impact Resistant Polycarbonate Enclosure
- Private Label Marking Available
- 3 Year Warranty
- Modified and Custom Designs Also Available
- Manufactured in Korea/China

PW160

| Ault Part No. | Voltage DC | Max Amps | Max Watts |
|----------------|------------|----------|-----------|
| PW160XA0303F01 | 3V | 5.00 | 15.0 |
| PW160XA0503F01 | 5V | 5.00 | 25.0 |
| PW160XA0703F01 | 7V | 5.00 | 35.0 |
| PW160XA0903F01 | 9V | 4.60 | 42.0 |
| PW160XA1203F01 | 12V | 3.50 | 42.0 |
| PW160XA1503F01 | 15V | 3.00 | 45.0 |
| PW160XA1603F01 | 16V | 2.80 | 45.0 |
| PW160XA1803F01 | 18V | 2.50 | 45.0 |
| PW160XA2403F01 | 24V | 2.00 | 48.0 |
| PW160XA4803F01 | 48V | 1.00 | 48.0 |

Ault Part No. Key

| | | | | | | |
|---------------------|---|-------------------------|------------|-----------|---|---|
| PW160 | 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

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

FAX (1) 763-592-1911 | E-MAIL info@aultinc.com | WEB www.aultinc.com

© Copyright 2002 Ault Inc.

PW160

ITE 15-48 WATT SERIES

Input

| | |
|----------------|--|
| Voltage | 100-250 VAC -10%, +6% |
| Line Frequency | 47 - 63 Hz |
| Current | 1.2 A max at 90VAC input |
| Protection | Internal primary current fuse, Inrush limiting |

Output

| | |
|--|---|
| Combined Line, Load and Cross Regulation | +/-1% (excluding cord) |
| Ripple | 1% Vp-p max for output current of > 0.175A |
| Transient Response | 0.5msec. for 50% load change typical |
| Holdup Time | 18 msec min @ 120VAC 80 msec min @ 240VAC |
| Protection | Overcurrent protection Short circuit protection |
| Cord and Connector | (3V, 5V, and 7V model with 3.2 ft. cord, other models with 6 ft. cord) 2 conductor, 18 AWG, Ault #3 connector. Requires overmolded ferrite core. Other connectors are also available |

Safety Approvals

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

Input Configuration



IEC320
w/ground
C14
(F)

In Case IEC320 type with ground

Electrical

| | |
|-----------------|-----------------------------------|
| Topology | Switching-fixed frequency flyback |
| Leakage Current | Less than 0.75mA at 265VAC 50 Hz |
| Efficiency | 78% Min, 70% for 3V,5V |
| EMI | Complies with EMC Directives |
| MTBF | 100,000 Calculated Hours |

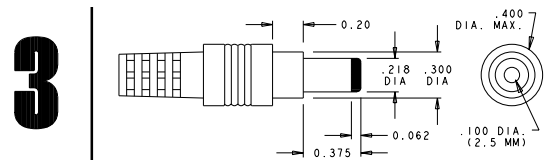
Environmental

| | |
|-----------------------|--------------------------------|
| 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 | 4.20L x 2.60W x 1.46H (in) 107L x 66W x 37H (mm) |
| Case Material | 94V0 polycarbonate; black is standard color; other colors available - extra charges may apply |
| Weight | 10 ounces, 285 grams (excluding cord) |

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

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

FAX (1) 763-592-1911 | E-MAIL info@aultinc.com | WEB www.aultinc.com

© Copyright 2002 Ault Inc.