

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



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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
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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

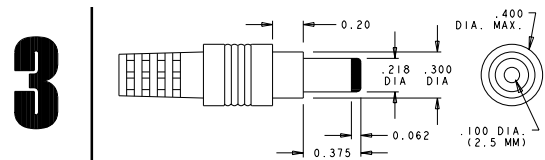
Environmental

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



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