

AULT SPECIFICATIONS

SW201 and SW301 Universal Series

Final 3/31/97

INPUT

Voltage 100-250 VAC - 10%, +6%
Line Frequency 47-63 Hz
Current 0.65A Max. at 90 VAC input
Protection Internal primary current fuse
 Inrush limiting
Configuration In Case IEC320 with Ground

OUTPUT

<i>Model</i>	<i>Voltage</i>	<i>Min. Current</i>	<i>Max. Current</i>	<i>Max. Watts</i>	<i>Max. Power</i>
SW201KA0012F01	+5VDC	0A	4.0A	20.0W	22.5
	+12VDC	0A	1.0A	12.0W	
SW301KA0012F01	+5VDC	0A	4.0A	20.0W	22.5
	+12VDC	0A	1.0A	12.0W	
	-12VDC	0A	0.6A	7.2W	

Combined Line and Load Voltage Regulation Excluding Cord Ripple
 +5: $\pm 1\%$ combined +5, +12 output of >0.6A
 +12: $\pm 5\%$ combined +5, +12 output of 0.6A
 -12: $\pm 6\%$ combined +5, +12 output of >0.6A

Transient Response Holdup Time Protection
 +5: 50 mV p-p Max., for combined +5, +12 output >0.6A
 +12: 100 mV p-p Max., for combined +5, +12 output >0.6A
 -12: 100 mV p-p Max., for combined +5, +12, output.>0.6A
 0.5 msec for 50% load change typical
 18 msec @ 120VAC; 100 msec @ 240VAC
 Foldback overcurrent protection on all outputs
 Short circuit protection on all outputs
 Optional overvoltage crowbar 6.8V Max. on +5
 Optional reverse polarity crowbar on -12

Cord and Connectors
 6 ft., 4 or 5 Conductor, 18 AWG, Ault #12 Connector
 Other Connectors are also available

ELECTRICAL

Topology Switching - Variable Frequency Flyback
Dielectric Withstand 3000 VAC, 4250 VDC primary-secondary
 1500 VAC, 2150 VDC primary-ground
 500 VDC secondary-ground
Spacing 8mm primary-secondary
Leakage Current Less than 0.75 mA at 265 VAC 50 Hz
Efficiency Up to 72%
EMI Complies with EMC Directives
CE CE Compliant

SAFETY APPROVALS

UL1950, CSA950, TUV/IEC950

ENVIRONMENTAL

Operating Temperature 0° to 50° C with no derating
Storage Temperature -30°C to +85° C
Relative Humidity 5% to 95% non-condensing
Altitude 0 - 10,000 feet
Cooling Convectional non-vented case

MECHANICAL

Case and Dimensions LP7 - Desktop
 5.08 L x 3.05 W x 1.59 H (in)
 129 L x 77 W X 40 H (mm)
Case Material Black 94V0 Polycarbonate
Weight 13 ounces, 370 grams (excluding cords)

WARRANTY

3 Years

LEADWIRE HOOK-UP		
PIN #	COLOR	FUNCTION
1	BLACK	COMMON
2	GREEN	GROUND
3	BROWN	+5 VDC
4	WHITE	-12 VDC
5	RED	+12 VDC

