samlexamerica®

10A



Desktop Switching Power Supply

Model
SEC-1212
10 Amps

Design Features

- Advanced switch-mode technology
- Reliable power with minimum weight and size
- Circuit innovations minimize output voltage ripple and RFI
- Input voltage can be set at 120 VAC or 240 VAC
- UL listed to both USA & Canadian safety standards

3 YEAR LIMITED WARRANTY

c UL us LISTED

	MODEL NO.	SEC-1212
AC INPUT	NOMINAL AC INPUT VOLTAGE	120 VAC (100-130 VAC), 50/60 Hz : Factory Preset, or 230 VAC (200 - 260 VAC), 50/60 Hz : By internal jumper setting
	INPUT CURRENT	2.5 A @ 120 VAC
	INPUT CURRENT AT NO LOAD	120 mA ± 10% @120VAC
	INRUSH CURRENT AT STARTUP	20A +/- 5A for < 5 ms
DC OUTPUT	OUTPUT VOLTAGE	13.8VDC ± 0.1V
	OUTPUT CURRENT	Continuous: 10A ; Current Limit: 14A, Auto recovery
	OUTPUT NOISE AND RIPPLE	< 150 mV Peak to Peak
	PEAK EFFICIENCY	85% +/-5%
DESIGN	TYPE	Switch Mode Power Supply (SMPS) with Fixed Frequency Pulse Width Modulation (PWM)
	OUTPUT SIDE SWITCHING FREQUENCY	20 KHz
PROTECTIONS	SHORT CIRCUIT, OVERLOAD	Constant Current Limiting at 14A ; Auto Reset
	OVER VOLTAGE	Regulated by PWM Controller
	OVER TEMPERATURE	Cooled by convection. No protection is necessary
COOLING	TYPE OF COOLING	Convection – No fan
FUSE	INTERNAL AC SIDE FUSE, 120VAC INPUT	5 mm x 20 mm Glass Fuse ; 250V, 3A, Time Delay Type ; LittelFuse - "239003"
COMPLIANCE	SAFETY	UL safety listed as "Information Technology Equipment Power Supply" for USA (UL Standard ANSI/UL-60950-1) and for Canada (CSA Standard CAN/CSA-C22.2 No. 60950-1)
	ELECTRO MAGNETIC INTERFERENCE EMI – RADIATED & CONDUCTED	FCC Part 15(B), Class B
INPUT / OUTPUT CONNECTIONS	AC INPUT CONNECTION	• "IEC 60320-C14" Inlet Connector on the unit • Detachable Power Cord with: - "IEC 60320-C13" Connector on one end - NEMA5-15P Plug on the other end
	DC OUTPUT CONNECTORS	Terminal with Tubular Hole - Diameter 5mm / 0.2" and set screw (5/64" Hex Socket Head, #10, 24 TPI, 5/16" long)
ENVIRONMENTAL	OPERATING TEMPERATURE RANGE	0°C / 32°F to 30°C / 86°F
DIMENSIONS AND WEIGHT	DIMENSIONS (W X D X H)	185 x 208 x 59.5 mm / 7.28 x 8.19 x 2.34 in
	WEIGHT	1.36 kg / 3.0 lb

NOTE: Specifications are subject to change without notice

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