


PROFESSIONAL INDUSTRIES LTD

SWITCHING POWER SUPPLY SPECIFICATION

MODEL: PS193

Description : 100Watt Notebook AC/DC Adaptor.

ITEM	Specification	Condition
OPERATING TEMPERATURE	+10°C~40°C	At Full load with a maximum temperature rate of change of 5°C/10Minutes, but no more than 10°C/Hr.
STORAGE TEMPERATURE	-40°C~70°C	Maximum temperature rate of change of 20/hr.
RELATIVE HUMIDITY	Up to 95%	Non-condensing
AC INPUT VOLTAGE	100~240Vac	Auto range
AC INPUT FREQUENCY	47~63Hz	Single phase
AC FUSE PROTECTION	2.5A 250V	TR5-T 8.5x8mm (Replaceable)
AC INPUT CONNECTOR	C6 inlet	3pin connector with UL VDE marks.
INRUSH CURRENT	30A for 230Vac at 25°C ambient cold start.	Repetitive ON/OFF cycling of the AC input voltage should not damage the PSU or cause the input fuse to blow.
ADJUSTABLE OUTPUT VOLTAGE	+15Vdc +16Vdc +18Vdc +19Vdc +20Vdc +21Vdc +24Vdc	
OUTPUT CURRENT (MIN)	0A	
OUTPUT CURRENT (MAX)	6.5A 6.2A 5.5A 5.2A 5A 4.7A 4.2A	
OUTPUT POWER	100Watt	Total: 100Watt
VOLTAGE REGULATION	±4%	
RIPPLE+NOISE	150mv P-P max	Ripple and noise are defined as periodic or random signals over a frequency band of 10Hz to 20MHz. Measurements
NAME OF PARTS		
PROTECTION	Over current protection : 120~150% of rated output current Short circuit protection : output to ground	PSU shut down and return to normal without damage after the abnormal condition removed.
HI-POT TEST	4250Vdc for 3S.	Primary to secondary & Primary to Ground
GROUNDING TEST	<0.1ohm	Between AC input Ground and the DUT's ground
EFFICIENCY	> 83%	At Full Load
SAFETY	EN 60950	
ELECTROMAGNETIC COMPATIBILITY	Current harmonic: EN61000-3-2 class D.	
	Emission :EN 55022 /FCC part 15	
POWER FACTOR CORRECTION	>0.9	Active PFC.
SIZE	135mm(L) x 55mm(W) x33mm(H)	