

SWITCHING 04159A



INPUT VOLTAGE AC 100-240 V
CASE SIZE 75,6x30,7x25 mm
WEIGHT 120 g

6W

To meet ETL-UL1950,CETL-C22.2 NO.950,GS-DIN EN60950

Rated output (V)	5	6	9	12
Rated current (A)	1.0	0.9	0.6	0.5
Max. output voltage (V)	5.6	6.5	9.5	12.5
Min. output voltage (V)	4.7	5.5	8.5	11.5
Ripple & noise (mV)	<300	<300	<300	<300
Over load current (A)	>1.5	>1.3	>1.0	>0.8
Over heat protection	YES	YES	YES	YES
Rated power (W)	5.0	5.4	5.4	6.0
Switch frequency (KHZ)	65	65	65	65
Insulation class	II	II	II	II
Consumes (W)	<0.3	<0.3	<0.3	<0.3
Efficiency (%)	>68.18	>68.75	>72.83	>73.49
Efficiency Level	V	V	V	V

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ENVIRONMENTAL REQUIREMENTS

Operating temperature	: 0°C -- 40°C
Storage temperature	: -25°C -- +85°C
Operating humidity	: 30% -- 95%
Storage humidity	: 30% -- 98%
Operating bar	: 1BAR

INPUT REQUIREMENTS

Regular input voltage	: AC 100 – AC 240V
Variable input voltage range	: AC 90V – AC 264V
Rating frequency	: 50Hz – 60Hz
Frequency range	: 47Hz – 63Hz
Input current	: 0.18 Arms MAX (at regular voltage & current)

INTRODUCTION

- The S.M.P.S. Particular design for 2-pin multi-plug
- The S.M.P.S. A variety of efficiency work mode for saving power
- The S.M.P.S. Overcurrent, overload, overheat, undervoltage protection
- The S.M.P.S. Advanced dithering switch work mode, reduce electromagnetic interference
- The S.M.P.S. Overshock resistance switch circuit design, prevent device from instant implus damage
- The S.M.P.S. Design with environment friendly materials, safe and healthy
- The S.M.P.S. operated at input regular voltage AC 100V – 240V
- The S.M.P.S. should be capable of a total continuous DC power output of 6 Watts
- The S.M.P.S. should be capable of a total peak 7.5 Watts
- The S.M.P.S. designed a energy saving to meet Europe energy star standard
- The S.M.P.S. should be able to single output only. Refer output rated and electrical specifications table
- The S.M.P.S. will shut down automatically when the AC input voltage lower than AC 90V
- The S.M.P.S. output voltage will drop to very low when overload by overload protection
- The S.M.P.S. should not be fired or emitted smoke by protection when the circuit is short

DC INSULATION RESISTANCE

Input – Output	: 50M OHM minimum (at 500VDC)
Input – Body metal	: 50M OHM minimum (at 500VDC)

DIELECTRIC WITHSTAND – VOLTAGE

Input – Output	: 3750VAC minimum (2s)
Input – Body metal	: 3750VAC minimum (2s)

MAIN FUSE

Input fuse is 2 OHM 1W fusible resistor

INRUSH CURRENT

Peak inrush current shall be limited to 10A for a cold start

TIME SEQUENCE

Time sequence should be satisfied to power ON/OFF, restart in power failure AC switch at ON/OFF

EFFICIENCY

The efficiency of the S.M.P.S. must be satisfied the maximum 76%

SAFETY STANDARD

To meet ETL-UL1950,CETL-C22.2 NO.950,GS-DIN EN60950 AS/NZS 4665.1 :2005, EuP 2005/32/EC

RFI EMISSION

EN55022: 2006+A1
EN61000-3-2: 2000
EN61000-3-3: 1995+A1
EN55024: 1998+A1+A2
FCC PART 15

