

SWITCHING 9820ASM



INPUT VOLTAGE AC 100-240 V
CASE SIZE 29x50x77 mm
WEIGHT 86 g

12W



I prodotti della serie SM sono stati sviluppati per essere inseriti nelle scatole di derivazione elettriche (modelli rettangolari)

SCHEDA TECNICA SWITCHING 9820ASM

	3	5	6	9	10	12	15	16	18	24
Rated output (V)	3	5	6	9	10	12	15	16	18	24
Rated current (A)	1.5	1.8	1.6	1.1	1.0	0.9	0.75	0.7	0.65	0.5
Max. output voltage (V)	3.6	5.5	6.5	9.5	10.5	12.5	15.5	16.5	18.5	24.5
Min output voltage (V)	2.8	4.5	5.5	8.5	9.5	11.5	14.5	15.5	17.5	23.5
Ripple & noise (mV)	<150	<150	<150	<150	<150	<150	<150	<150	<150	<150
Over load current (A)	>2.5	>2.4	>2.2	>2.0	>1.8	>1.5	>1.3	>1.2	>1.0	>0.8
Over heat protection	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Rated power (W)	4.5	9.0	9.6	9.9	10	10.8	11.25	11.2	11.7	12
Switch frequency (KHZ)	65	65	65	65	65	65	65	65	65	65
Insulation class	II	II	II	II	II	II	II	II	II	II
Consumes (W)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Efficiency (%)	>67.38	>72.58	>73.07	>76.65	>76.71	>77.2	>77.45	>77.43	>77.7	>77.86
Efficiency Level	V	V	V	V	V	V	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	: 0.12 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 12 Watts
- The S.M.P.S. should be capable of a total peak 14 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 1.6A 250V

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 79%

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

