

1Amp Switch Mode Power Adapter AC/DC

Model Code
SPA100

INPUT

INPUT VOLTAGE	100 to 240 V AC
INPUT FREQUENCY	50/60 Hz
NO LOAD POWER CONSUMPTION	<0.3 W
INPUT FULL LOAD CURRENT (AT 120 V AC)	0.25 A
INPUT POWER	16.5 W Max

HI-POT

INPUT TO OUTPUT	3000V AC 5mA 50/60Hz
INPUT TO CASE	3000V AC 5mA 50/60Hz
OUTPUT TO CASE	1500V AC 5mA 50/60Hz
ISOLATION RESISTANCE	100 M Ohms I/P - O/P I/P/Enclosure
APPLIANCE	CLASS I <input type="checkbox"/> II <input checked="" type="checkbox"/> III <input type="checkbox"/>

OVERALL PERFORMANCE

TOTAL OUTPUT POWER	12W Max
EFFICIENCY	Complied with EUP

ENVIRONMENTAL

OPERATING TEMPERATURE	0° C to 25° C
STORAGE TEMPERATURE	-20° C to 50° C
OPERATING HUMIDITY	20% - 85% RH. NON CONDENSING
STORAGE HUMIDITY	10% - 90% RH. NON-CONDENSING

PROTECTION

<input checked="" type="checkbox"/> OVER CURRENT PROTECTION	<input checked="" type="checkbox"/> SHORT CIRCUIT PROTECTION
<input checked="" type="checkbox"/> OVER VOLTAGE PROTECTION	<input checked="" type="checkbox"/> L.P.S (Limits for power source)
<input checked="" type="checkbox"/> OVER POWER PROTECTION	

SAFETY STANDARDS

SAFETY STANDARDS	GS
EMC STANDARDS	CE

RELIABILITY

MTBF	50000 hours min
BURN IN	8 hours 25°C, full load, 220V AC, 50Hz

OUTPUT

LIGHT LOAD OUTPUT VOLTAGE	3.0/4.5/5.0/6.0/7.5/9.0/12 V DC \pm 10%
FULL LOAD OUTPUT VOLTAGE	3.0/4.5/5.0/6.0/7.5/9.0/12 V DC \pm 10%
MIN LOAD OUTPUT CURRENT	0 A
MAX LOAD OUTPUT CURRENT	1.0 A
NOISE TEST BANDWIDTH	20 MHz Each output by passed by a 10 uF electrolytic capacitor parallel with a 0.1uF ceramic capacitor to GND
LINE REGULATION	0.5% Input 90 to 264 V AC output loaded at full load
SETUP, RISE, HOLD UP TIME	200ms, 30ms, 17ms/115V AC; 200ms, 20ms, 80ms/230V AC

