

AC POWER SUPPLY SPECIFICATION



MODEL NO - RND 320-00058

INPUT

INPUT VOLTAGE	100 to 240 VAC
INPUT FREQUENCY	60/ 50 Hz
PROTECTIVE DEVICE	Fusible resistor; 10 Ω , 1W, 5%
NO LOAD POWER CONSUMPTION	<0.1W
INPUT FULL LOAD CURRENT (at 100 Vac)	0.155A

OUTPUT

OUTPUT VOLTAGE	12V dc
OUTPUT CURRENT	600mA

OVERALL PERFORMANCE

TOTAL OUTPUT POWER	7.2 W Max
EFFICIENCY	Comply with ErP; level VI

PROTECTION

■ OVER CURRENT PROTECTION	■ SHORT CIRCUIT PROTECTION
■ OVERVOLTAGE PROTECTION	■ L.P.S (Limits for power source)
■ OVER POWER PROTECTION	□ AUTOMATIC THERMAL PROTECTION

HI-POT

INPUT TO OUTPUT	3000Vac 5 mA 50 Hz
INPUT TO CASE	3000Vac 5 mA 5Hz
OUTPUT TO CASE	500 Vac 5 mA 50Hz
ISOLATION RESISTANCE	100 M Ohms I/P-O/P I/P/Enclosure
APPLIANCE	Class II

ENVIRONMENTAL

OPERATING TEMPERATURE	0 °C to 40 °C
STORGE TEMPERATURE	-20 °C to 60 °C
OPERATING HUMIDITY	20%-85% RH. NON-CONDENSING
STORGE HUMIDITY	10%-90% RH. NON-CONDENSING

APPROVAL

SAFETY STANDARDS	EN62368-1:2014+ A11:2017
EMC	EN 61204-3:2000

RELIABILITY

MTBF	30000 Hours min
BURN-IN	4 Hours 25°C, full load, 220Vac, 50Hz

MECHANICAL SPECIFICATION

DIMENSION	68.4mm(L)* 38.7mm(W)* 31.1mm(H) (excluded plug) 68.4mm(L)* 38.7mm(W)* 68.4mm(H) (included plug)
WEIGHT	89g (excluding packaging)
INPUT PLUG	Direct plug-in; EU type
OUTPUT CABLE	1.8m Black and white wires,
OUTPUT CONNECTOR	Plug E: 5.5x2.1/12

OTHER SPECIFICATIONS

TIME SEQUENCE	<p>Time sequence should be satisfied to power ON/OFF, restart in power failure AC switch at ON/OFF</p> <p>The diagram illustrates the time sequence for power ON/OFF and restart. It shows two waveforms: AC input and DC output. The AC input is a square wave. The DC output is a ramp that rises from 95%V to 100%V during the AC on-time and falls back to 95%V during the AC off-time. The rise time is labeled as $\leq 1.0S$ and the fall time is labeled as $\geq 20m S$.</p>
DROP TEST	<p>Test condition: 6 face, each face 1 time 70 cm, on the 5mm wooden board. RESULT: Without opening of case and crack, etc. electric characteristic shall be satisfied light crack after test is acceptable.</p>
ENVIRONMENTAL TEST	<p>LOW TEMPERATURE STORAGE TEST Keep on $-30^{\circ}C$(Packing) for 168 hours, and check the action after 3 hours in $25^{\circ}C$. RESULT: All normal function and meet specification.</p> <p>HIGH TEMPERATURE STORAGE TEST Keep on $+70^{\circ}C$(Packing) for 168 hours, and check the action after 3 hours in $25^{\circ}C$. RESULT: All normal function and meet specification.</p> <p>HIGH HUMIDITY STORAGE TEST Keep on $+45^{\circ}C$, 95%RH (Packing) for 168 hours, and check the action after 3 hour in $25^{\circ}C$. RESULT: All normal function and meet specification.</p> <p>TEMPERATURE CYCLE TEST Keep on $-45^{\circ}C$(Packing) for 1 hour, then keep on $+85^{\circ}C$(Packing) for 1 hour Repeat this cycle until 10 cycle, check the action after an hour in $25^{\circ}C$. RESULT: All normal function and meet specification.</p>

Appearance

