

AC POWER SUPPLY SPECIFICATION



MODEL NO - RND 320-00099

INPUT

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|--------------------------------------|--------------------------------|
| INPUT VOLTAGE | 100 to 240 VAC |
| INPUT FREQUENCY | 60/ 50 Hz |
| PROTECTIVE DEVICE | Fusible resistor; 5.1Ω, 1W, 5% |
| NO LOAD POWER CONSUMPTION | <0.1W |
| INPUT FULL LOAD CURRENT (at 100 Vac) | 0.25A |

OUTPUT

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|----------------|--------|
| OUTPUT VOLTAGE | 12V dc |
| OUTPUT CURRENT | 1000mA |

OVERALL PERFORMANCE

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|--------------------|---------------------------|
| TOTAL OUTPUT POWER | 12 W Max |
| EFFICIENCY | Comply with ErP; level VI |

PROTECTION

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|---------------------------|-----------------------------------|
| ■ 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

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|------------------|--------------------------|
| 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 | 76.9mm(L)* 43.8mm(W)* 35.4 mm(H) (excluded plug) 76.9mm(L)* 43.8mm(W)* 72.7 mm(H) (included plug) |
| WEIGHT | 116g (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

| | |
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| TIME SEQUENCE | <p>Time sequence should be satisfied to power ON/OFF, restart inpower failure AC switch at ON/OFF</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°C(Packing) for 168 hours, and check the action after 3 hours in25°C. RESULT: All normal function and meet specification.</p> <p>HIGH TEMPERATURE STORAGE TEST Keep on +70°C(Packing) for 168 hours, and check the action after 3 hours in25°C. RESULT: All normal function and meet specification.</p> <p>HIGH HUMIDITY STORAGE TEST Keep on +45°C, 95%RH (Packing) for 168 hours, and check the action after3hour in 25°C. RESULT: All normal function and meet specification.</p> <p>TEMPERATURE CYCLE TEST Keep on -45°C(Packing) for 1 hour, then keep on +85°C(Packing) for 1 hourRepeat this cycle until 10 cycle, check the action after an hour in 25°C. RESULT: All normal function and meet specification.</p> |

Appearance

