



element14

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[PSU-AU-MK1](#)

EN

This Datasheet is presented by
the manufacturer

DE

Dieses Datenblatt wird vom
Hersteller bereitgestellt

FR

Cette fiche technique est
présentée par le fabricant



Input Characteristics:

Input Voltage:

Rated Voltage : 100 to 240V AC

Variation Range : 90 to 264V AC

Input Frequency:

Rated Frequency : 50/60Hz

Variation Frequency : 47 to 63Hz

Input Current:

When full load, the input current will not exceed 0.3A @100V AC/60Hz at AC source

Inrush Current:

50A Max of inrush current @ 220V AC/50Hz at AC source at 25° ambient

AC Leakage Current:

0.25mA Max. @ 240V AC input

No-load input power:

When no-load output, the input power is 0.5W Max. @ 230V AC input

Output Characteristics:

Power Output:

Voltage	Min. Load	Rated Load	Output Power
5V DC	0.01A	1A	5W

Combined Load/Line Regulation:

Voltage	Min. Load	Rated Load	Voltage Range	Load Regulation
5V DC	0.01A	1A	4.75 to 5.25V DC	±5

Ripple and Noise:

Under rated voltage and rated load, the ripple and noise are as follows when measure with Max. Band width of 20MHz and Parallel 47uF/0.1uF capacitors, crossed connected at testing point.

Voltage	Ripple and Noise(Max.)
5V DC	80mV p-p

Turn on Time:

3 Seconds Max. @ 115V AC input with Max. Input load

Rise Time:

10mS Max. @ 115V AC input with Max. Input load

Hold up Time:

5mS Min. @115V AC input with Max. Input Load

Efficiency:

65% Min. @ 115V AC input and with Max. output Load

65% Min. @ 230V AC input and with Max. output Load

Protection Requirement:

Short Circuit Protection:

The power supply will be auto recovered when short circuit faults remove.

Over Current Protection:

When adjusted to 2A output current. Automatic Protection.

Over Voltage Protection:

The power supply will be auto protected when the output voltage exceeding 150% to 180%, and will auto recovered when faults remove.

Environmental Requirement:

Operating Temperature:

0°C to 40°C/Full load, Normal operation.

Storage Temperature:-10°C to 80°C with package

Relative Humidity:

5%(0°C) to 90%(40°C)RH,72Hrs,Full load, Normal operating

Vibration:

Operating: IEC 721-3-3 3M3

5~9Hz,A=1.5mm

(9 to 200Hz,Acceleration 5m / S2)

AC Adapter

pro-POWER

Transportation:

IEC 721-3-2 2M2

5-9Hz, A=3.5mm

9~200Hz, Acceleration=5m/S²

200 to 500Hz, Acceleration=5m /S²

Axes,10 cycles per axis

No permanent damage may occur during testing

The product has to restore to its original situation after power off / on

Dropping Packed:

1 corner, 3 edges, and 6 surfaces

76cm / Height:76cm

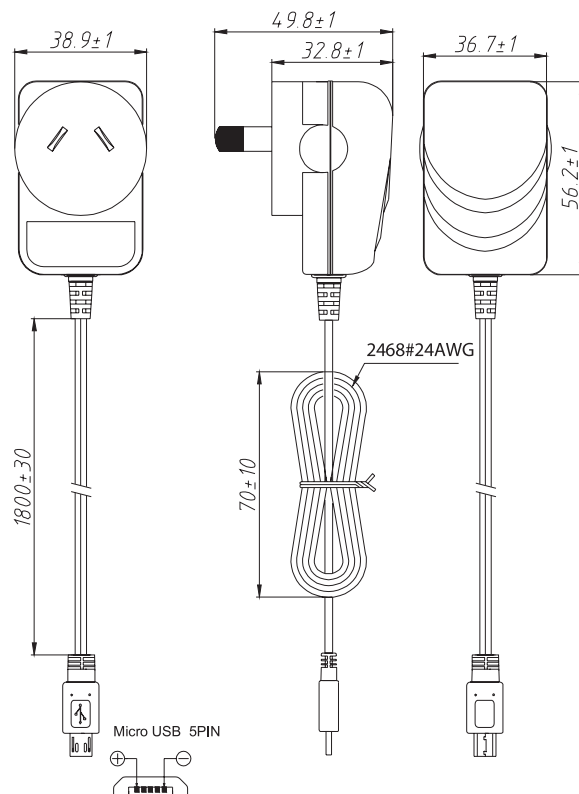
Dielectric Strength Hi-Pot:

Primary to secondary, 3kV AC 10mA 60s

Mechanical Requirement:

Enclosure: The power supply size: L57.8 × W37.2 × H62.8mm

Outline Dimension:



Dimensions : Millimetres

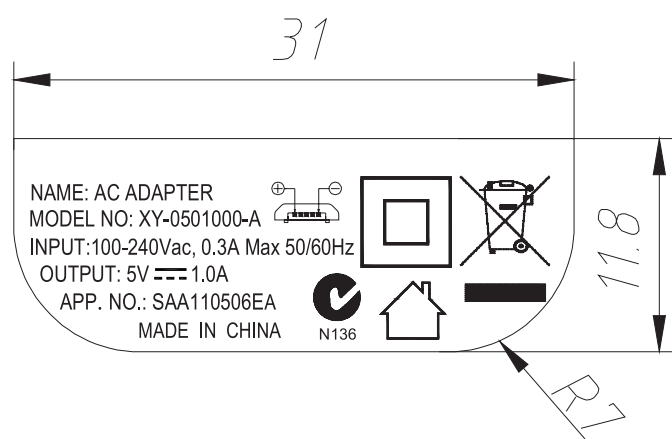
Output Cord: 2468

24AWG 1.8M + Micro USB 5Pin

www.element14.com
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www.newark.com
www.cpc.co.uk

pro-POWER

Nameplate Drawing:



Dimensions : Millimetres

Part Number Table

Description	Part Number
AC adapter	MPN PSU-AU-MK1

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