

SPECIFICATION

High Quality Switching Desktop Adapter

**Universal AC Input
33W 5VDC Output**

P/N: A050065ENL

****Specification Approval****

This specification (total 7 pages including cover page) is approved in it's entirety by:

Company Name

Print Name

Signature

Date



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031009V1.0

1. General

Top Microsystems model A050065ENL is a universal switching-mode power supply, operating at input voltage 90 to 264VAC and providing output voltage of 5VDC 6.5A Max.

2. Electrical

2.1 Input

No	ITEM	SPECIFICATION
1.	Rated input Voltage	AC100V-240V
	Vibration input Voltage Range	AC90V-264V
2.	Frequency Rated	50-60Hz
	Frequency Vibration	47-63Hz
3.	Input Rated Current	1.2A RMS Max.
	Inrush Current	No damage at 240VAC cold start
4.	Leakage current	<3.5mA
5.	Efficiency	84% Min (CEC Compliant)
6.	Standby Power(NO Load)	<0.5W (CEC Compliant)

2.2 Output

No	ITEM	SPECIFICATION
1.	Output Voltage	5VDC
2.	Output Max. Current	6.5A
3.	Output Min. Current	0A
4.	Line Regulation	±1%
5.	Output Overshoot	5.5VDC Max.
7.	Short Circuit Protection	Output shut down and auto restart
8.	Over Temperature Protection	There shall be no ignition or smoke and no deformation of case.
6.	Over Voltage Protection	The output voltage shall be clamped by internal protection zener
7.	Short Circuit Protection	Output shut down and auto restart
8.	Ripple Voltage (L.F.)	150mV(P-P) INPUT:100V~240V AC OUTPUT: FULL LOAD

2.3 Hi-Pot Specification:

Input to Output: 1500VAC 10mA 1 minute.

2.4 Insulation Resistance:

Input to Output: 500vdc to test the input to output resistance not be less 100M ohm

2.5 Regulatory Approval:

WSP, S70, UZ00A, U00

2.6 EMI standard:

FCC (Part 15, Class B), CE (EN55022 and EN55024)

2.7 Environmental compliance:

RoHS, WEEE, Packaging

3. Mechanical

3.1 AC Plug:

Inlet IEC320/C14

3.2 DC Cord Bend Test:

Bending test: Life 1000 times 100% guarantee. Swings 120 from left to right loading weight 500g , 40 cycle/minute.

3.2 DC Cord Pull Test:

Pull test: DC cord and plug, weight 6kg for 1 minute.

3.5 Case Size:

(L)114x(W)47x(H)32.4mm

3.7 Temperature

Operating: 0C to +40C

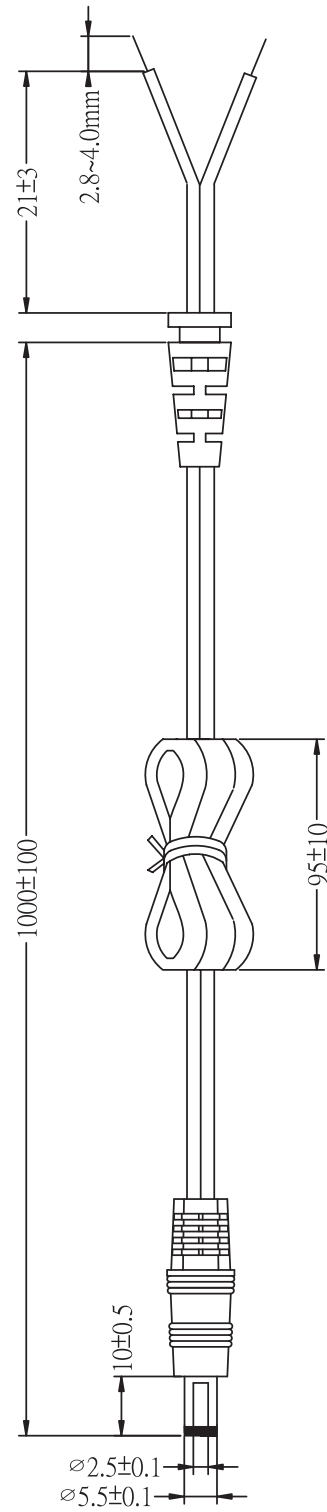
Storage : -10C to +70C

3.8 Humidity

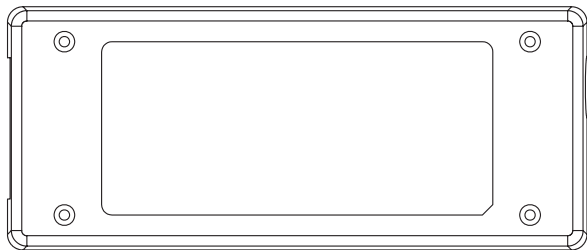
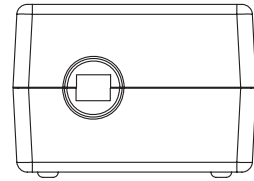
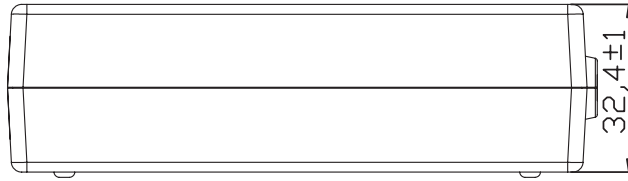
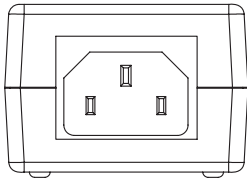
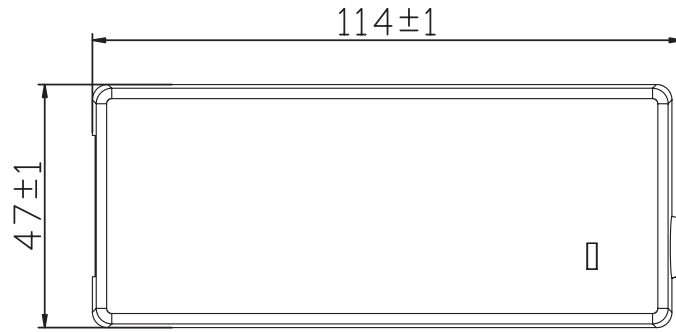
Operating: 20% to 80%.

Storage: 10% to 90%

4. Output Cable



5. Drawing



6. Label

