

SPECIFICATION

High Quality Switching Desktop Adapter

**Universal AC Input
10W 5.0VDC 2.0A Output**

P/N: A050020EN8 SM

****Specification Approval****

This specification (total 8 pages including cover page) is approved in it's entirety by:

Company Name

Print Name

Signature

Date



Santa Clara CA95054
Tel: 1-408-980-9813
Fax: 1-408-980-8626
Email: infor@topmicro.com
Web: www.topmicro.com
031009V1.0

1. General

Top Microsystems model A050020EN8 zzzz is a universal switching-mode power supply, operating at input voltage 90 to 264VAC and providing output voltage of 5VDC 2.0A Max.

2. Electric

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	300mA RMS Max
	Inrush Current	30A Max. at 115vac cool start
		60A Max. at 230vac cool start
4.	Leakage current	0.25mA
5.	Efficiency	73% Min (CEC Compliant)
6.	Standby Power(NO Load)	<0.3W (CEC Compliant)

2.2 Output

No	ITEM	SPECIFICATION
1.	Output Voltage	5VDC
2.	Output Max. Current	2.0A
3.	Output Min. Current	0A
4.	Line and Load Regulation	± 5%
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.)	100mV(P-P) INPUT:100V~240V AC OUTPUT: FULL LOAD

2.3 Hi-Pot Specification:

Input to Output: 3000VAC or 4242VDC 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:

UL/cUL, GS, PSE, CB (IEC-60950-1 2nd Edition with Europe, Australia, Korea, and Japan deviations), Australia RCM (C-Tick and SAA), Australia MEPS (Mark V), US DOE (Mark V)

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/C8 2Pin Type.

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)75x (W)48x(H) 27mm

3.7 Temperature

Operating: 0C to +40C

Storage : -10C to +70C

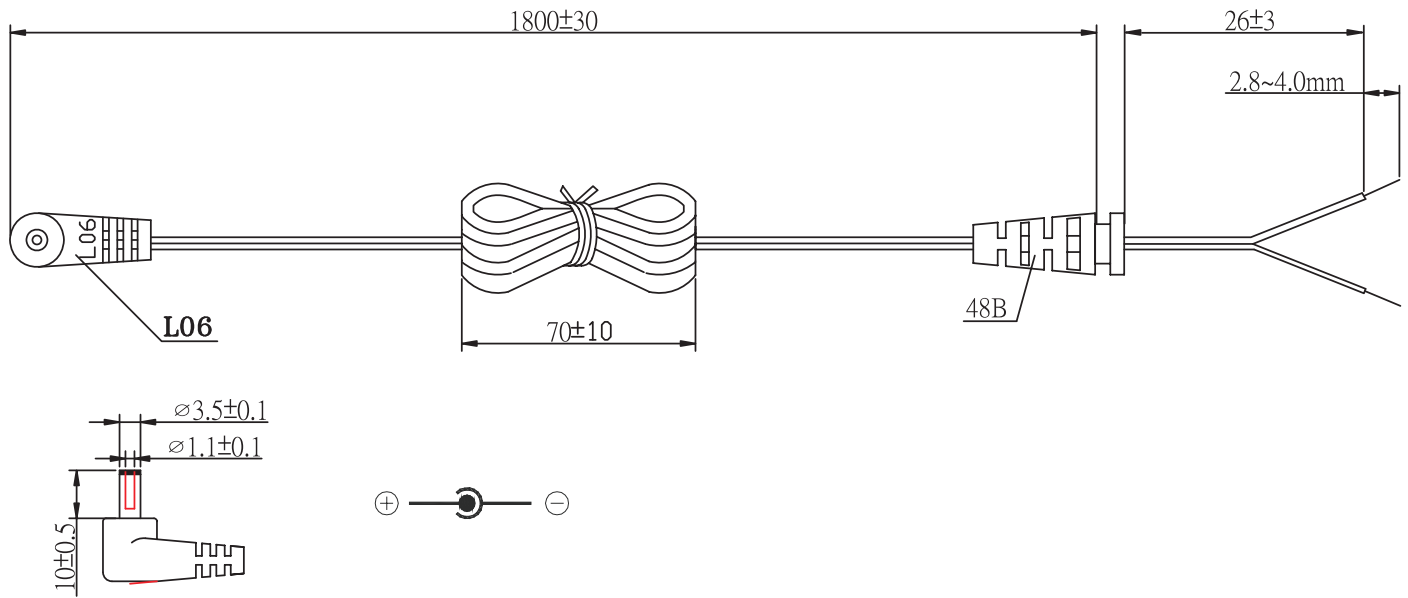
3.8 Humidity

Operating: 20% to 80%.

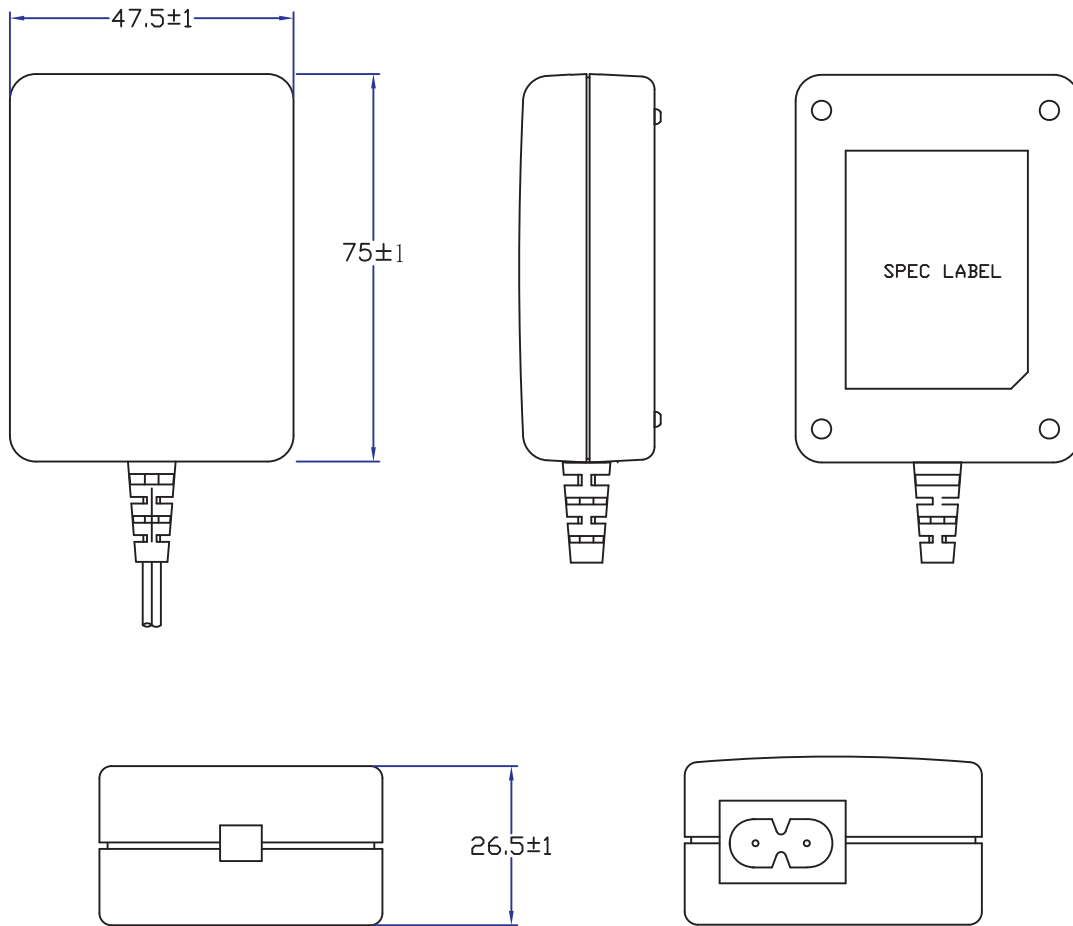
Storage: 10% to 90%

4. DC Cable and Plug

- A. Cord Material: 2468 20#*2C (UL approval)
- B. DC Plug Type: ID1.1*OD3.5*L10mm
- C. Body and Out Jacket PVC Color: Black
- D. Output Cable Jacket Temperature: 80C Max
- E. RoHS Compliance: Body and all components including DC cable and plug.
- F. Unit: mm



5. Mechanical Drawing

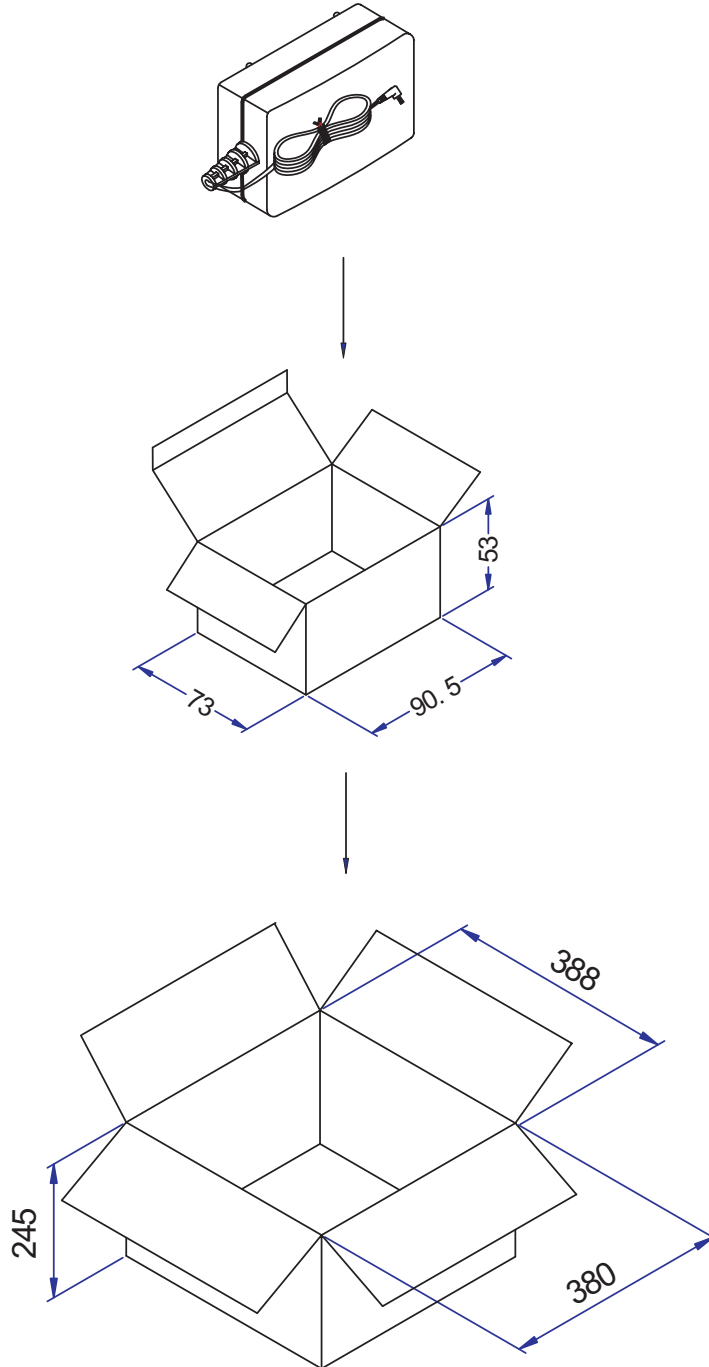


6. Packing

Carton Dimensions: 388*380*245mm

Quantity: 80pcs (20*4)

Unit Weight: 122g (with Inner Box)



7. Label

