

**Input**

Rated input voltage	100 V ~ 240 V ac
Input voltage range	90 V ~ 264 V ac
Rated frequency	50~60 Hz
Frequency range	47~63 Hz
Rated input current	100 mA RMS max.
Inrush current	15 A max. at 115 / 30 A max. at 230 V ac cool start
No load power consumption	0.5 W max. (CEC Compliant)

**Output**

Output voltage	5 V dc at 0.5 A
Output min. current	0 A
Line regulation	± 1%
Load regulation	± 0.3V
Over voltage protection	9 V dc max. (output shut down)
Short circuit protection	output shut down and auto restart
Ripple voltage	150 mV (p-p) (100~240 V ac at full load)
Efficiency	Energy Star Compliant - Efficiency Level IV
Output connection	USB type A receptacle

**Safety and EMI**

HI-POT	input to output	3000 V ac or 4242 V dc at 10 mA for 1 min.
Insulation resistance	input to output	> 100 M Ohm at 500 V dc
Safety approvals	UL/cUL	
EMI standard	FCC class B, CE, VCCI-I	
RoHS compliant	yes	
Leakage current	0.25 mA	

**Environmental**

Storage temperature	-10°C ~ +70° C
Operating temperature	0°C ~ +40° C
Storage humidity	10~90%
Operating humidity	20~80%



**Label**

**Material:** metalized polyester  
**Color:** black on silver base

**Remarks:** YYWW X  
YY=production year  
WW=production week  
X=production location

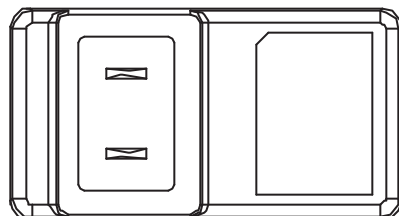
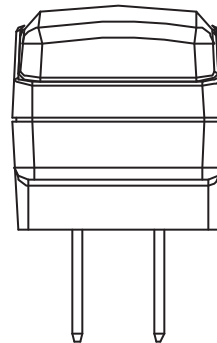
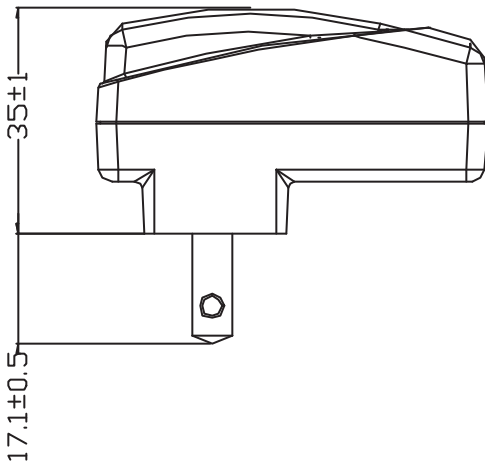
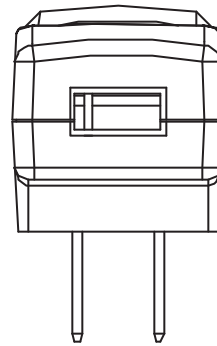
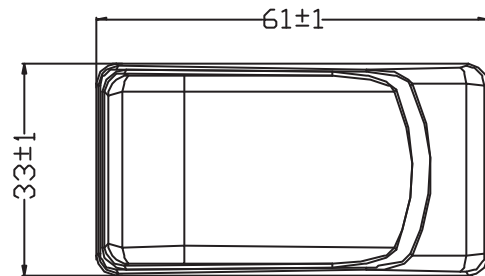
Technical specifications on label:  
MODEL: 3A- 031WU05  
P/N:EPS050050U-I38-SZ  
INPUT:100-240V~,50-60Hz,0.1A  
OUTPUT:3.3V-5V $\overline{\text{---}}$  500mA  
@5V $\overline{\text{---}}$  0.5A  
FOR I.T.E. USE ONLY  
UL LISTED E163743 8F35  
EFFICIENCY LEVEL (IV)  
RoHS  
MADE IN CHINA  
Production code: YYWW X

Dimensions:  
Width: 24.5+0/-0.2 mm  
Height: 17.5+0/-0.2 mm  
Chamfer: C1.7\*45°

**Mechanical Drawing**

 Tolerance:  $\pm 1$ 

Input plug	Direct plug-in UL type
Weight	55 g
Case size	61 L x 33 W x 35 H mm
Output connection	USB type A receptacle





**CUI INC**

Part No: EPS050050U-I38-SZ

Date: 11/02/2007

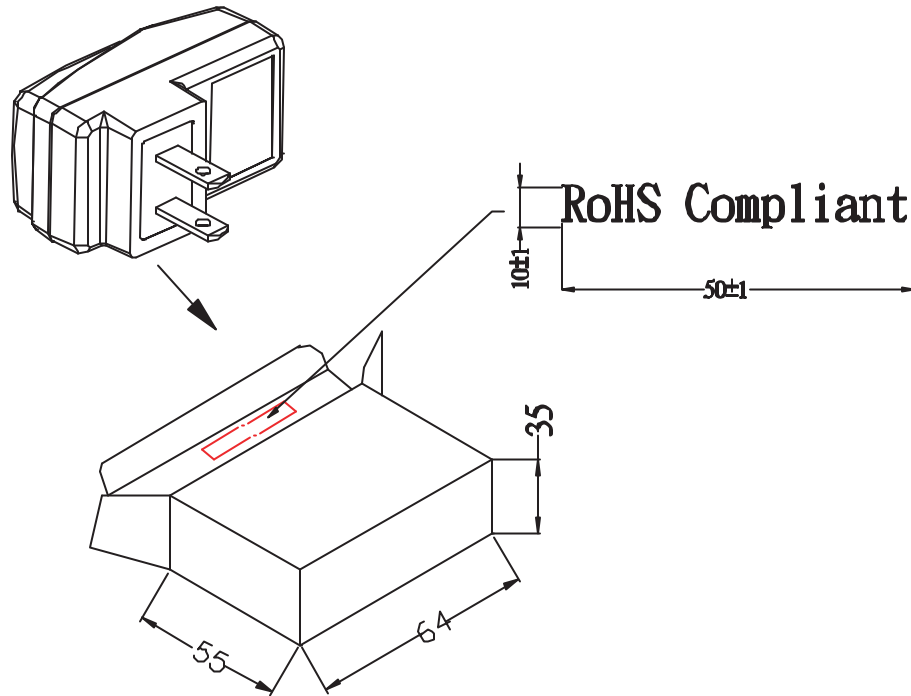
Unit: mm

Description: switching power supply

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### Individual Packaging

Tolerance:  $\pm 1$





**Packaging**

Tolerance: +7/-0

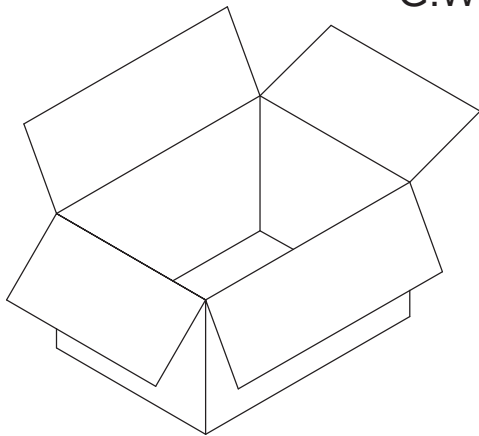
CARTON SIZE: 347X302X175mm

Q'TY: 100pcs(25x4)

**N.W: 5.5KGS**

**G.W: 6.3KGS**

**G.W: 6.8KGS**



"RoHS Compliant"

