

Excellent Integrated System Limited

Stocking Distributor

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[CUI Inc.](#)

[EPA090050-S/T-SZ](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



Part No: EPA090050-S/T-SZ

Description: linear power supply

Date: 5/11/2007

Unit: mm

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Specifications

Output voltage	9 V ac at 500 mA	
Rated input voltage	120 V ac	
Primary rated voltage	120 V ac 60 Hz 8 W	
Primary exciting current	30 mA rms max.	
Secondary rated voltage & current	no load voltage (max.)	11 V ref
	full load voltage (500 mA)	9 V $\pm 5\%$
Temperature rise of primary winding (full load)	70°C max. using resistance method	
Insulation resistance	≥ 100 M Ohm at 500 V dc	
HI-POT test	from input to output for 1 min.	1240 V ac at 2 mA
	from input to output for 1 sec.	1600 V ac at 2 mA
	from primary to secondary winding for 1 sec.	1600 V ac at 2 mA
	from primary winding to core for 1 sec.	1600 V ac at 2 mA
	from secondary winding to core for 1 sec.	750 V ac at 2 mA
Safety standards	UL/cUL	
RoHS compliant	yes	
No load power consumption	0.5 W max.	
Efficiency	Energy Star Compliant - Efficiency Level IV	
Test conditions	Ambient temp	40°C $\pm 2^\circ\text{C}$
	Humidity	90-95% 96 hours at Full Load
	Rated voltage	8 hours at full load
Adapter color	Case	black
	Cord	black



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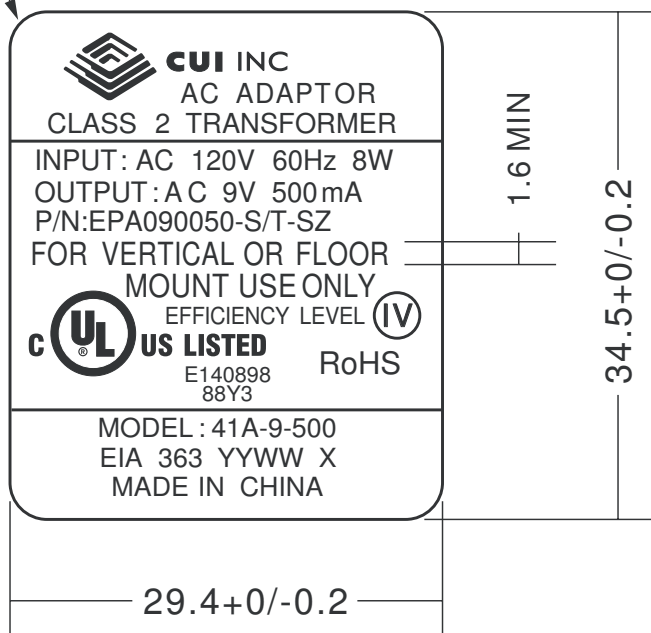
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Label

R2.5*4



Adhesive tape: 3m #44 tape 18 width

Thickness: 0.2mm

Material: PVC Polyester

Color: black on silver base

Remarks: YYWW X

YY=production year

WW=production week

X=production location



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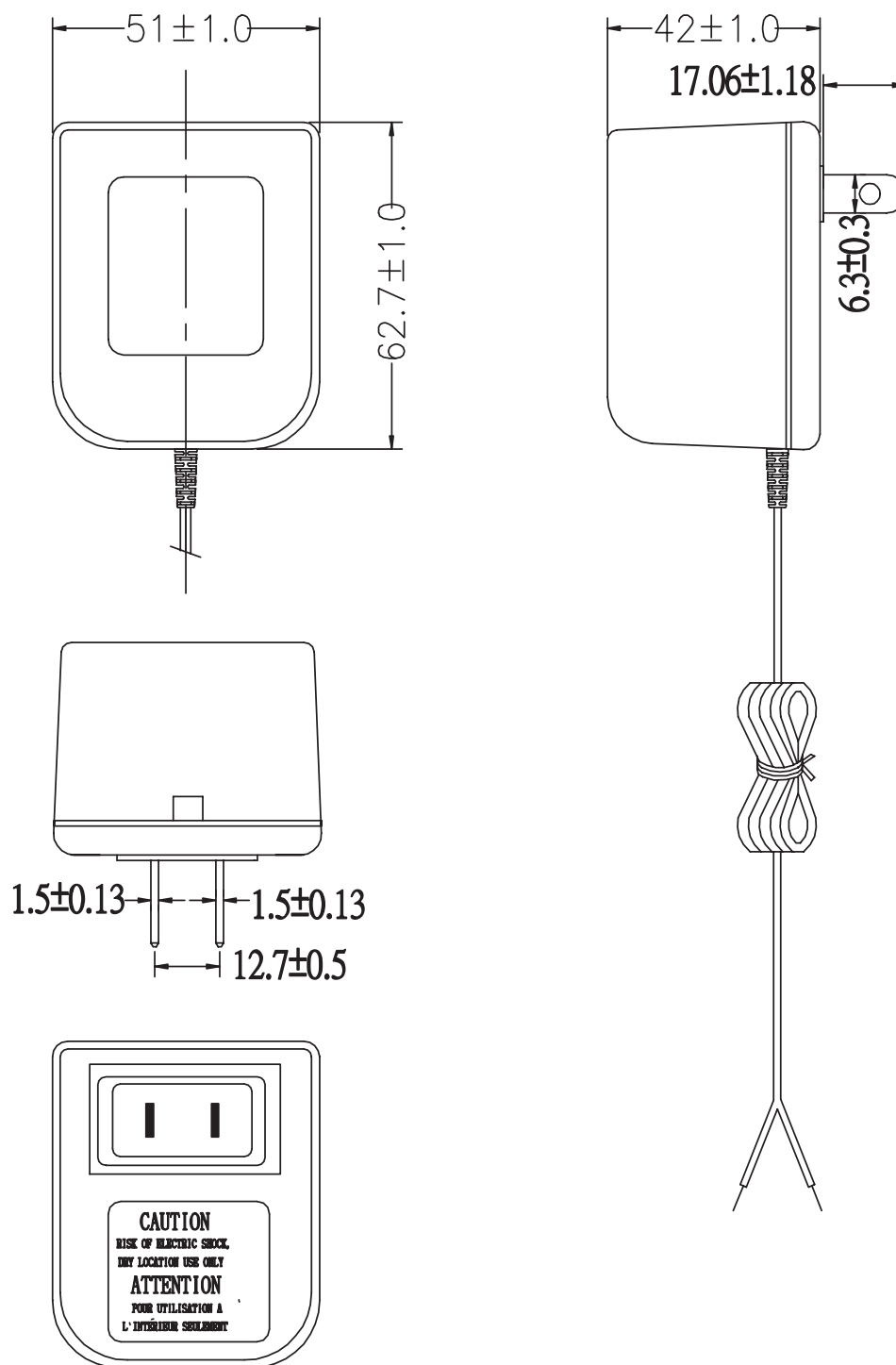
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Mechanical Drawing

Tolerance: ± 1

Weight 239 g





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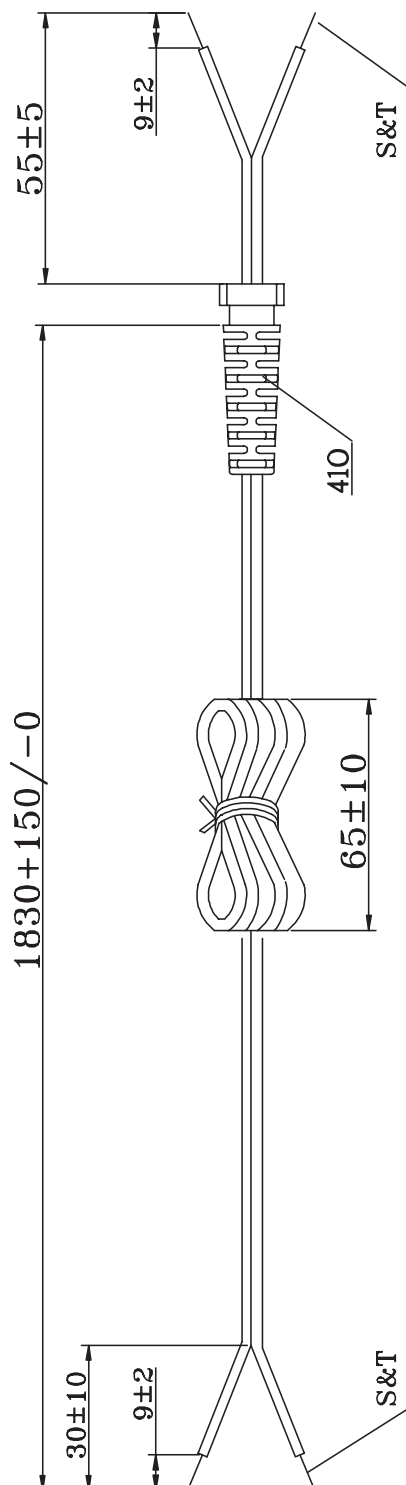
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DC Cord



#24AWG X2C BLACK/WHITE WIRE
WIRE IN POSITIVE
OD: $\varnothing 1.8 \times 3.6$
BLACK WIRE IN NEGATIVE, BLACK/WHITE

Parameter request	
VIBRATION TEST	a. $\pm 50^\circ$
	b. WEIGHT 200g
	c. 40 ROUND/MINUTE
	d. OVER 1000 COUNT MIN



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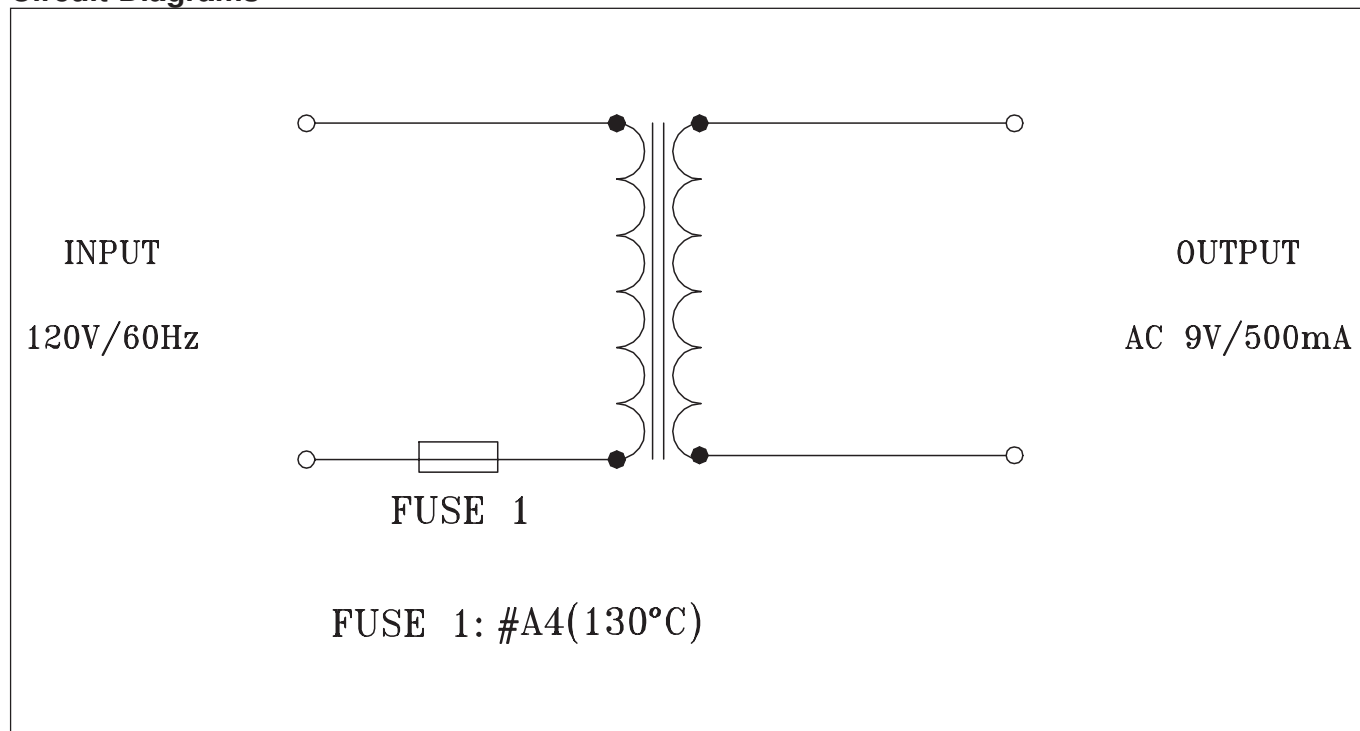
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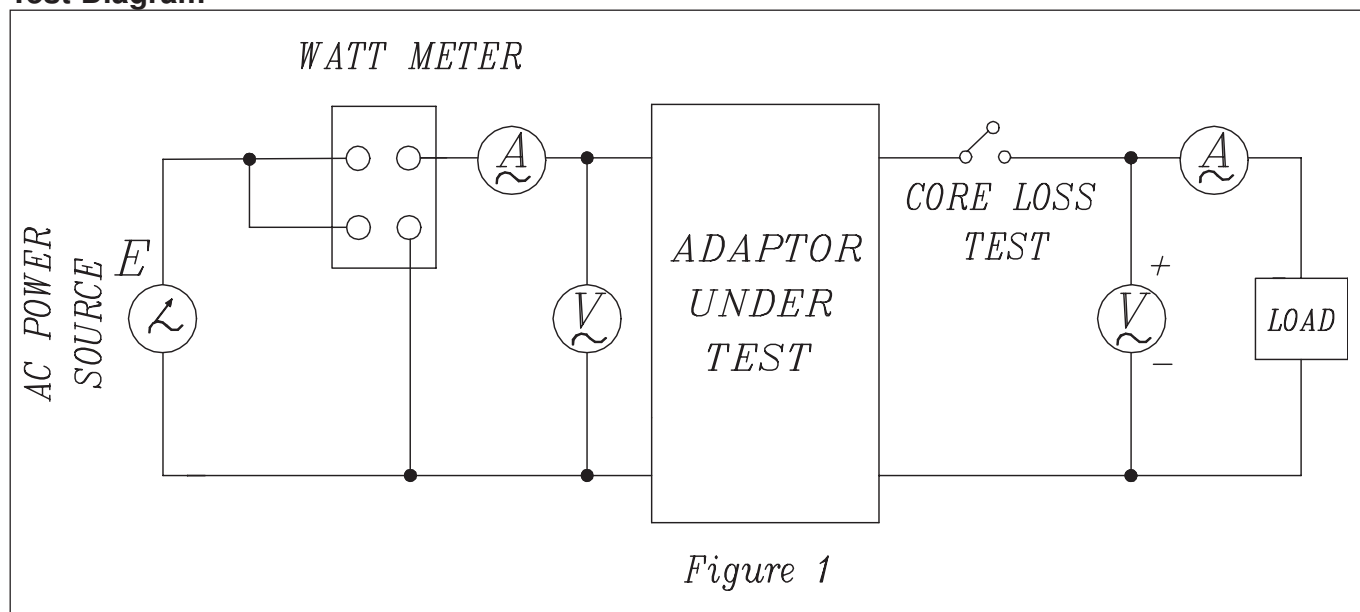
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Circuit Diagrams



Test Diagram





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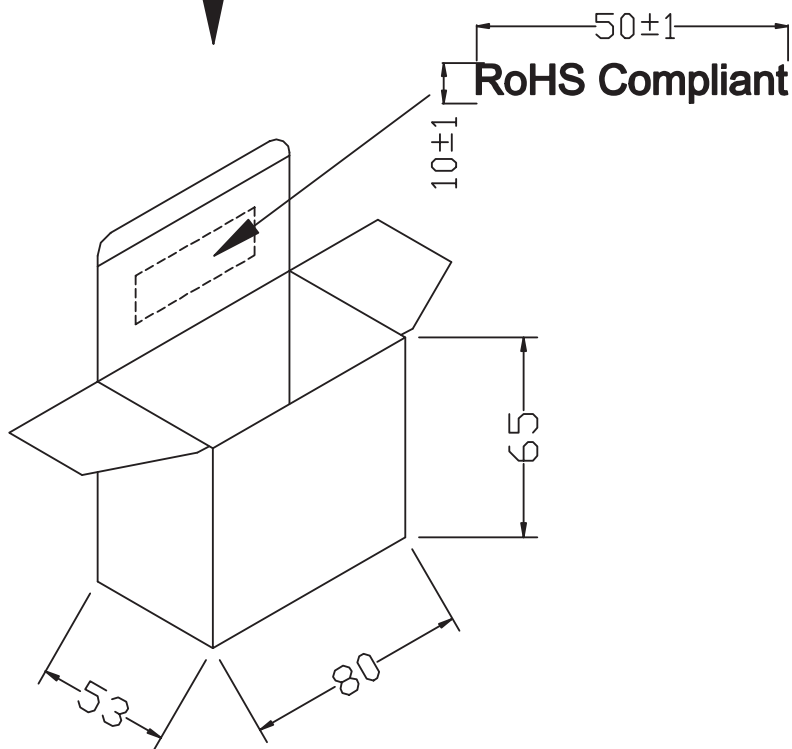
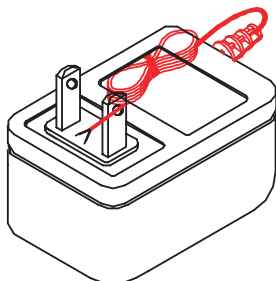
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Individual Packaging

Tolerance: ± 1





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Packaging

Tolerance: +7/-0

OUTSIDE CARTON:A=B(6mm)

INSIDE CARTON:A-B(3mm)

CARTON SIZE: 350X345X190mm

Q'TY: 60pcs(20x3x1)

N.W:14.3KGS

G.W:15.3KGS

G.W:16.3KGS

