

Zhongshan MLS Electrical Appliance Co., Ltd.

規

客户：_____

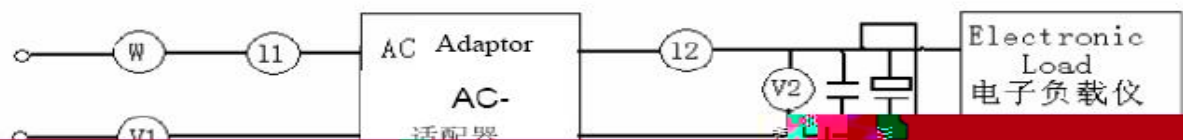
客户物料号：_____

样品编号 _____

送样日期：_____

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1.1Test Circuit ()



2. Input Characteristics/

		— —	

Inrush Current (cold start)/ (@ 230V AC)

No damage for 230V/50Hz at cold start (25).

2.3. Average Efficiency /

While input 115Vac and 230Vac,the average efficiency is more than 86.2%.The test point is at 25%, 50%,75% and 100% of max load respectively

115Vac	230Vac	<u>86.2</u> %	25%,50%,75%	100%
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2.4. Standby power /

Standby power < 0.1 W @ 230VAC/50Hz. 230Vac 0.1 W.

2.5. Peak Inrush Current ()

With cold starting, the peak inrush current should less than 30A

(30A)

		—	
		—	
		—	

Ripple & Noise: Tested by a oscilloscope using 20MHz bandwidth and the output is paralleled a 0.1uF ceramic capacitor and a 47uF electrolysis capacitor

: 20MHz , 0.1uF 47uF

4. Protection Requirements/

4.1. Over Current Protection/

OCP Point Limited: 140%-200% auto restart : 140%-200%

The output shall hiccup when the over current applied to the output , and shall be self-recovery when the fault condition is removed

, , ,

With the rated voltage charged to the primary and output current 1000mA, after continuously work 24hours have no damage.(1000mA 24)

4.3. Short Circuit Protection/

The input power shall decrease when the output is short to GND, the power supply shall not damage, and shall be self-recovery when the fault condition is removed

, , ,

5. Environment Requirements/

5.1.Operating Temperature and Relative Humidity/

0 to +40 20%RH to 80%RH @ Sea level shall below or no more than10,000 feet

10,000 0 , +40 , 20%RH to 80%RH

5.2 Storage Temperature and Relative Humidity/

'-30 to +70 10%RH to 90%RH non-condensing @ Sea level shall below 30,000 feet

30,000 -30 +70 , 10%RH to 90%RH

5.3. Vibration/

10 to 300Hz sweep at a constant acceleration of 1.0G(Breadth: 3.5mm) for 1Hour for each of the perpendicular axes X, Y, Z

: 10 to 300Hz, : 1.0G(: 3.5mm), X, Y, Z 1

5.4This product does not have dimming function and can be paired with a suitable controller to achieve the corresponding function.

6. EMC Standards & Safety Standards / EMC

6.1. EMC Standards/EMC

GB9254	GB17625.1	GB13837	FCC- Part15
EN 55032	EN55024	CISPR 22	EN 61000-4-4
EN 61000-3-2	EN 61000-3-3	EN 61000-4-2	EN 61000-4-3
EN 61000-4-5	EN 61000-4-6	EN 61000-4-8	EN 61000-4-11

6.1.2. Safety Standards /

Type				Type		
CCC						
UL/CUL						
KC						

6.1.3. ielectric Strength(Hi-pot)/ ()

Primary to Secondary: 3000Vac / 5mA / 60 seconds (3 seconds for production)

: 3000Vac / 5mA / 60 (: 3)

6.1.4. Leakage Current/

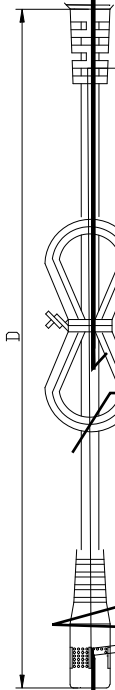
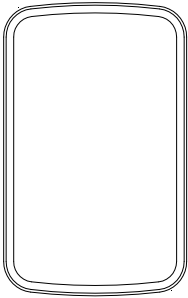
6.1.5 .Insulation Resistance/

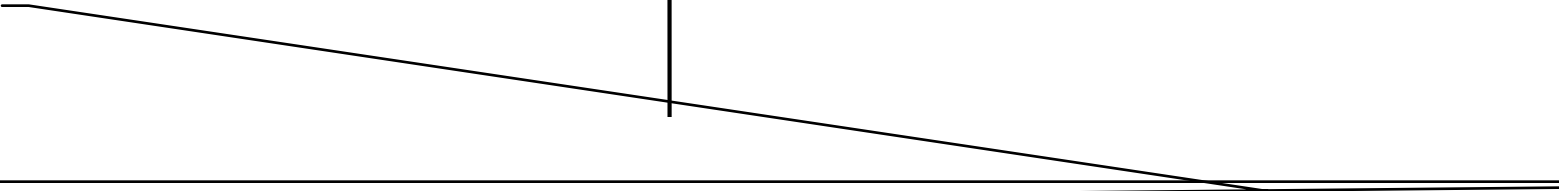
100MΩ min. @ primary to secondary add a 500Vdc test voltage

500Vdc , 100MΩ

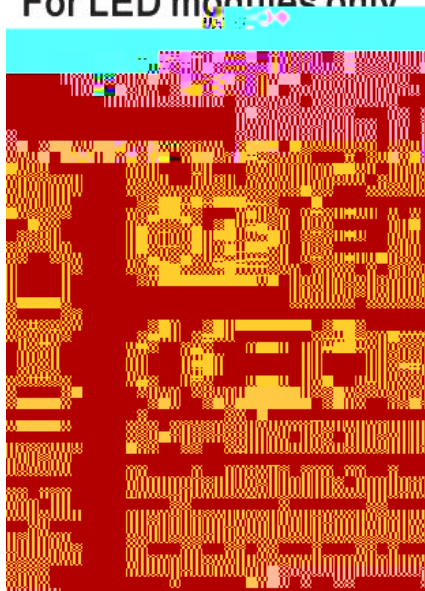
7. Testing Equipment /

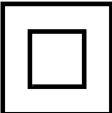
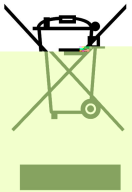
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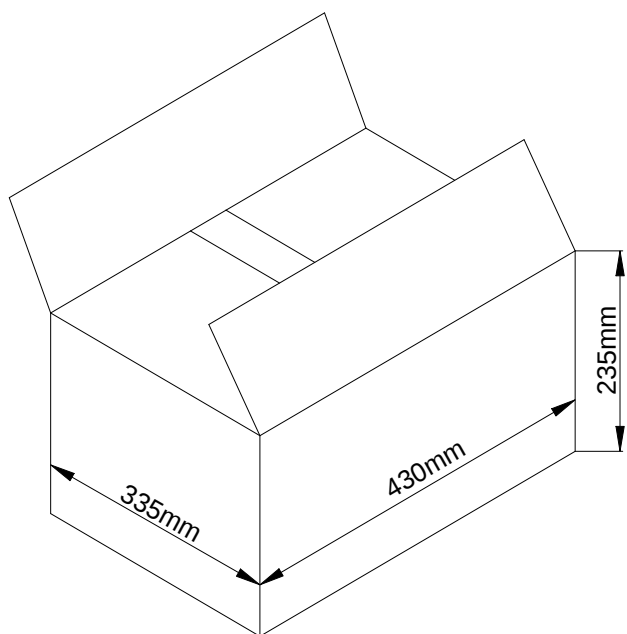
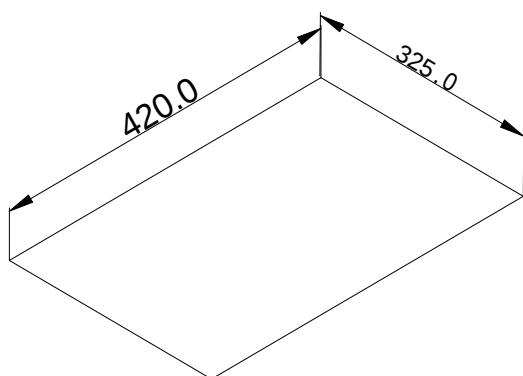




AC/DC ADAPTER For LED modules only



	Indoor use only
	Protection class II appliance
	



				Model No. / :		24V1A	
/Test Items.	/Test Condition	/Sample quantity and test result					PASS / FAIL
/ Adapter sample		#1	#2	#3	#4	#5	
Unload output voltage / (CC mode) 1.0A 22.8 Vdc~ 25.2 Vdc	100Vac	/	/				
	240Vac	24.01	23.91				
Rated load output voltage / (CC mode) A 11.4 Vdc~ 12.6 Vdc	100Vac	/	/				
	240Vac	23.68	23.60				
Rate Load Cold Ripple(CC mode) (1.0 A) 240 mV	100Vac	/	/				
	240Vac	86	79				
AC Over Voltage Protection AC 300-350							
/Over current protection test 2 A	90Vac	/	/				
	264Vac	1.7	1.7				
Standby ≤ 0.1 W	90Vac						
	264Vac	0.08	0.08				
Efficiency / ≥ 86.2%	115Vac	/	/				
	230Vac	87.00%	87.08%				
/Hi-pot test	3kVAc/5.0mA/ 60Minute	OK	OK				
/Rated load to no load test		OK	OK				
/ /Power ON/OFF Cycling Tes	20	OK	OK				