

1.INPUT:

- 1.1 Rate input voltage: 100-240V AC
1.2 Vibration input voltage range: 90-264V AC
1.3 Rate input frequency: 60/50Hz
1.4 Vibration Rate input frequency: 63/47Hz
1.5 AC input Rated current: 0.4A Max .@100V AC
1.6 AC input Max power(No load): 0.3W Max .@230V AC
1.7 Inrush Current: 30A Max .@100VAC cool start
60A Max .@230VAC cool start
1.8 Leakage current: 0.25mA Max

Code: 33774385

2. Output characteristics

- 2.1 Rating output voltage: 6V
2.2 Rating output current: 2A
2.3 Min. load current 0A
2.4 Output no-load voltage: $6V \pm 5\%$
2.5 Output load voltage: $6V \pm 5\%$
2.6 Output ripple & noise: 120mV max.

3. General characteristics

- 3.1 Max output power: 12Watts
3.2 Efficiency measurement : 74%(Min.)@full load & input 230VAC, Output set to 6V/2A.
for production testing: 74%(Min.)@full load & input 115VAC, Output set to 6V/2A.
3.3 Efficiency : 77.76% Min. at 115Vac 60Hz and 230Vac 50Hz input,
and 25%,50%,75%,100% of full load after 10minutes warm-up.
i.e. meet CEC efficiency level V and EUP.
3.4 Short circuit protection: Protection against short circuit for output.
The output can be shorted permanently without damage.
3.5 Overshoot / Undershoot: $6V \pm 10\%$
3.6 Any protect condition shall cause no damage and no component fail.

Automatic recovery when removal of protect condition.



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4. Environmental:

- 4.1 Operating temperature: 0~40°C
- 4.2 Storage temperature: -25°C to 85°C
- 4.3 Operating relative humidity: 8% to 90%
- 4.4 Storage relative humidity: 5% to 95%

5. Application standard : meet

UL1950
EN60950
EN55022
GB4943

6. EMI standard : meet Fcc class B,CE,VCCI-II

7. HI-POT test

- (1)Primary to secondary: 4242VDC for 1minute 5mA(Safety test)
- (2)Primary to case: 4525VDC for 3sec 5mA(Production test)

8. Insulation resistance

Input to output: >10Mohm.@500VDC

9. Reliability:

- 9.1 MTBF: 50K hours min.
@ full load at 25°C ambient temperature
- 9.2 Burn-in: 2~4hrs,40+/-5°C 240VAC
ON/OFF cycling full load nominal line
- 9.3 Altitude: Will operate properly at altitude between 0 to 10000ft

10. Mechanical

10.1 Dimensions: Please see the mechanical dimension drawing.

10.2 Weight: 106g



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11. Mechanical specification:

11.1 AC plug:

11.2 DC cord:

11.2.1 Bending test: Life 1000times 100% guarantee. Swings 120 from Left to right loading weight 200 g, 40 cycle/minute 2400 cycles.

11.2.2 Pull test: DC cord and plug, weight 9kg for 1 minute.

11.3 Cord length: attached drawing

11.4 Output plug: attached drawing

11.5 Case Size: attached drawing



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EFFICIENCY TEST

Model : 125-060200-4

Date : 2010.06.03

Tested by : 周昆

Environment : ☒ Ambient ☐ High ☐ Low : 25°C

No.	Input Voltage (V)	Input Power (Ac W)	Output Voltage (V)	Output Current (A)	Output Power (Dc W)	Efficaency (%)
1#	90	16.080	5.930	2.000	11.860	73.756
	115	15.930	5.930	2.000	11.860	74.451
	230	15.930	5.940	2.000	11.880	74.576
	264	16.030	5.940	2.000	11.880	74.111
2#	90					
	115					
	230					
	264					
3#	90					
	115					
	230					
	264					
4#	90					
	115					
	230					
	264					
5#	90					
	115					
	230					
	264					

Specification : 72%

Measured : 73.8%

Test result : PASS



CEC TEST

Model : 125-060200-4

Date : 2010.06.03

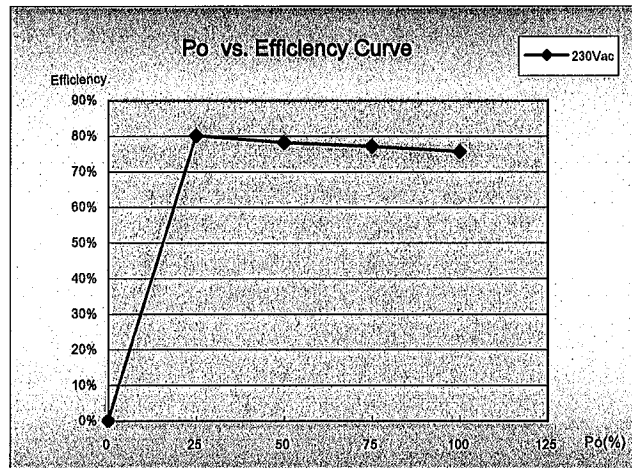
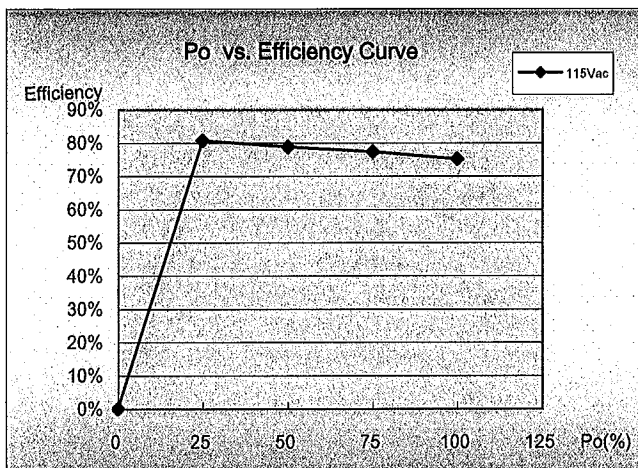
Tested by : 周昆

Environment : ☒ Ambient ☐ High ☐ Low : 25°C

Test Condition: Vac=115V/230V ,Load :0~100% step Load :25%

1 Vin: 115Vac/60Hz							
Load (%)	Vout(V)	Iout(A)	PF	Pin(w)	Po(w)	Efficiency	Result
0	6.15	0.000	---	0.13	0	0.0%	PASS
25	6.20	0.500	---	3.84	3.1	80.7%	---
50	6.16	1.000	---	7.82	6.16	78.8%	---
75	6.10	1.500	---	11.83	9.15	77.3%	---
100	5.95	2.000	---	15.83	11.9	75.2%	---
Po_typical (w)				12	Average 78.0% PASS		
					Spec. 77.76% V		

1 Vin: 230Vac/50Hz							
Load (%)	Vout(V)	Iout(A)	PF	Pin(w)	Po(w)	Efficiency	Result
0	6.13	0.000	---	0.16	0	0.0%	PASS
25	6.17	0.500	---	3.85	3.085	80.1%	---
50	6.14	1.000	---	7.85	6.14	78.2%	---
75	6.10	1.500	---	11.86	9.15	77.2%	---
100	5.96	2.000	---	15.76	11.92	75.6%	---
Po_typical (w)				12	Average 77.8% PASS		
					Spec. 77.76% V		





RIPPLE AND NOISE TEST

Model : 125-060200-4

Date : 2010.06.03

Tested by : 周昆

Environment : ☒ Ambient ☐ High ☐ Low : 25°C

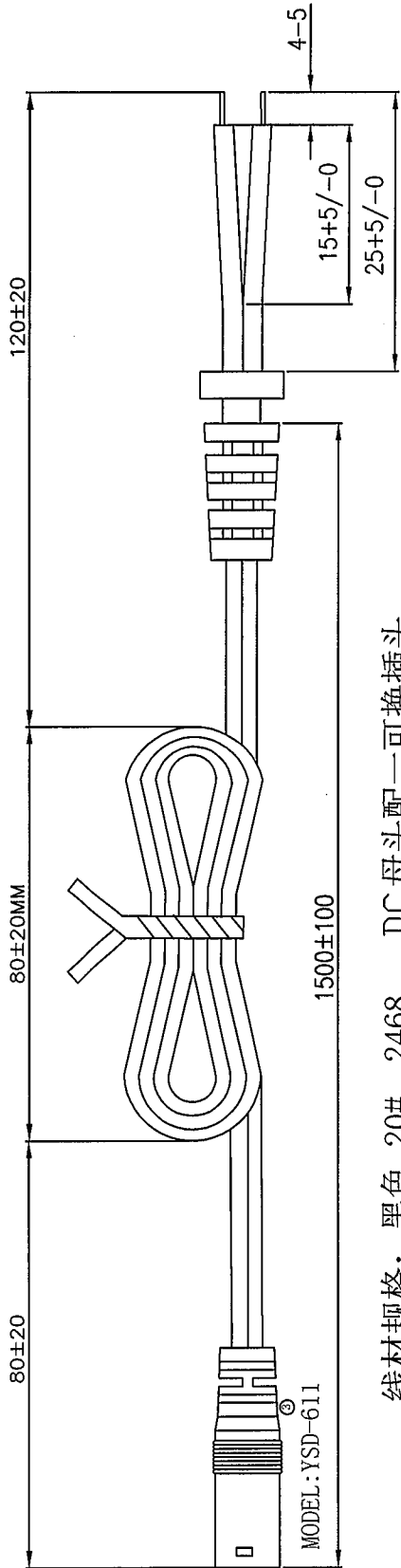
No.	90Vac		264Vac	
	Min. load	Max. load	Min. load	Max. load
1#	25	63	25	53
2#				
3#				
4#				
5#				
6#				
7#				
8#				
9#				
10#				
11#				
12#				
13#				
14#				
15#				
16#				
17#				
18#				
19#				
20#				

Specification : 120

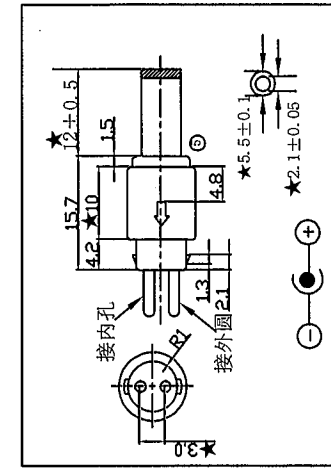
Measured : 63.0

Test result : PASS

版本	变更内容	变更人	变更时间
B	内长由30mm变更为25mm.	向增娟	2011.08.16
C	DC头模具变更	向增娟	2012.11.14



线材规格：黑色 20# 2468 DC 母头配一可换插头

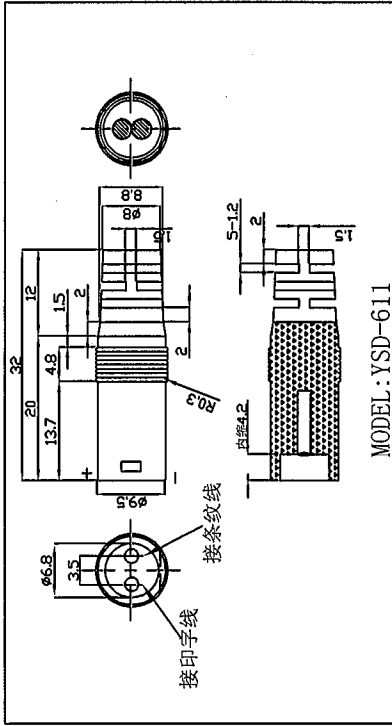


箭头指示正极
★为重点尺寸

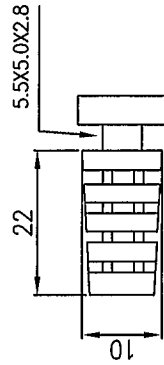
★为重点尺寸

技术要求：

1. 线材摇摆测试，拉力测试依照金盈线材测试标准。
2. 热变形温度大于60度。
3. 产品必须符合ROHS+PAHS+16P 要求。



DC头规格：
编号：YSD611
包胶材质：50+/-5P PVC 黑色
DC头规格：平头黑胶2.1X5.5X12直头
DC直头配母头可拆卸转换



SR规格：
编号：YX462(828)
材质：70+/-5P PVC 黑色

版本	变更内容	变更人	变更时间

