

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: 0.6A 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: 3377440

2. Output characteristics

- 2.1 Rating output voltage: 9V
- 2.2 Rating output current: 1.7A
- 2.3 Min. load current: 0A
- 2.4 Output no-load voltage: 9V±5%
- 2.5 Output load voltage: 9V±5%
- 2.6 Output ripple & noise: 200mV max.

3. General characteristics

- 3.1 Max output power: 15.3Watts
- 3.2 Efficiency measurement : 78%(Min.)@full load & input 230VAC, Output set to 9V/1.7A.
for production testing: 78%(Min.)@full load & input 110VAC, Output set to 9V/1.7A.
- 3.3 Efficiency : 79.37% 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: 9V±10%
- 3.6 Any protect condition shall cause no damage and no component fail.

Automatic recovery when removal of protect condition.



Design by: 邱丽梅

REV: 1.2

Approved By: 余明昭

Page: 3 of 13

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

UL60065
EN60065
GB8898

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: 154.6g



Design by: 邱丽梅

REV: 1.2

Approved By: 余明昭

Page: 4 of 13

11. Mechanical specification:

11.1 AC plug:

11.2 DC cord:

11.2.1 Bending test: Life 1000times 100% guarantee. Swings 120 forn 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



Design by: 邱丽梅

REV: 1.2

Approved By:余明昭

Page: 5 of 13



EFFICIENCY TEST

Model : 248-090170-4

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	18.430	8.900	1.700	15.130	82.094
	115	18.220	8.900	1.700	15.130	83.041
	230	18.410	8.900	1.700	15.130	82.184
	264	18.560	8.900	1.700	15.130	81.519
2#	90					
	115					
	230					
	264					
3#	90					
	115					
	230					
	264					
4#	90					
	115					
	230					
	264					
5#	90					
	115					
	230					
	264					

Specification : 80%

Measured : 81.5%

Test result : PASS



CEC/EUP TEST

Model : 248-090170-4

Date : 2010.06.03

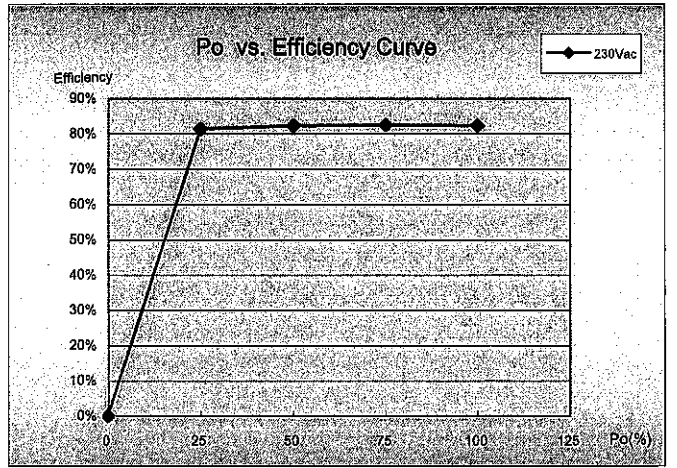
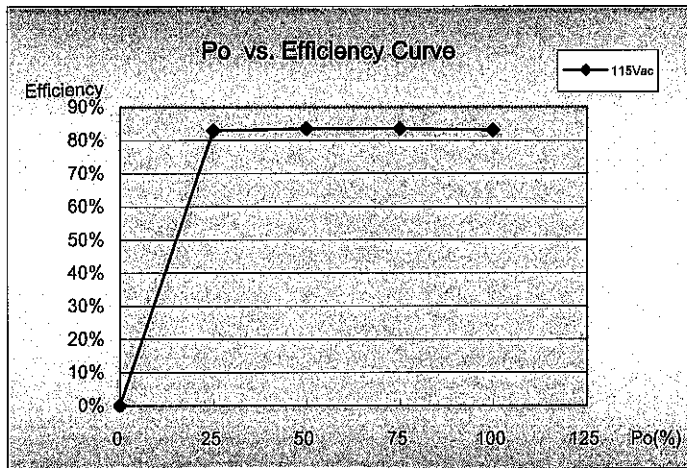
Tested by : 周昆

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	9.20	0.00	---	0.07	0	0.0%	PASS
25	9.13	0.43	---	4.68	3.88025	82.9%	---
50	9.05	0.85	---	9.21	7.6925	83.5%	---
75	8.98	1.28	---	13.71	11.4495	83.5%	---
100	8.90	1.70	---	18.22	15.13	83.0%	---
Po_typical (w)				15.3	Average 83.2%		PASS
					Spec. 79.39%		V

1 Vin: 230Vac/50Hz							
Load (%)	Vout(V)	Iout(A)	PF	Pin(w)	Po(w)	Efficiency	Result
0	9.20	0.00	---	0.13	0	0.0%	PASS
25	9.13	0.43	---	4.77	3.88025	81.3%	---
50	9.05	0.85	---	9.35	7.6925	82.3%	---
75	8.98	1.28	---	13.88	11.4495	82.5%	---
100	8.90	1.70	---	18.38	15.13	82.3%	---
Po_typical (w)				15.3	Average 82.1%		PASS
					Spec. 79.39%		V





RIPPLE AND NOISE TEST

Model : 248-090170-4

Date : 2010.06.03

Tested by : 周昆

Environment : Ambient High Low : 25°C

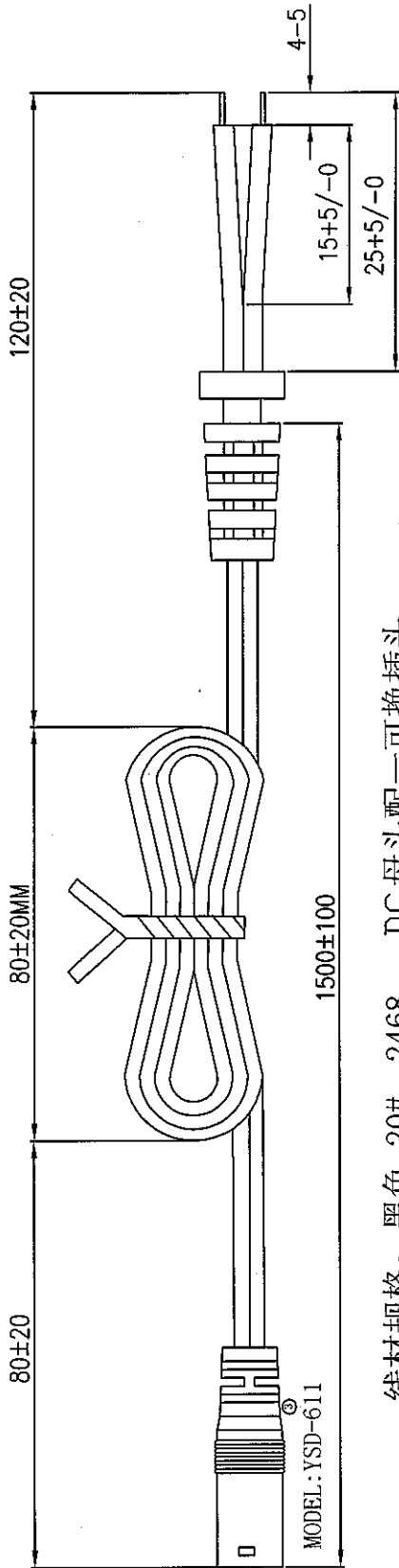
No.	90Vac		264Vac	
	Min. load	Max. load	Min. load	Max. load
1#	24	77	28	68
2#	37	69	25	85
3#	39	72	30	73
4#	71	104	70	110
5#	19	57	24	54
6#				
7#				
8#				
9#				
10#				
11#				
12#				
13#				
14#				
15#				
16#				
17#				
18#				
19#				
20#				

Specification : 200

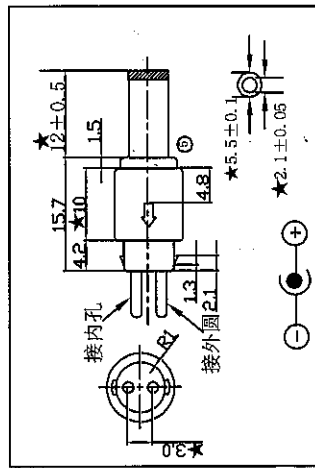
Measured : 110.0

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

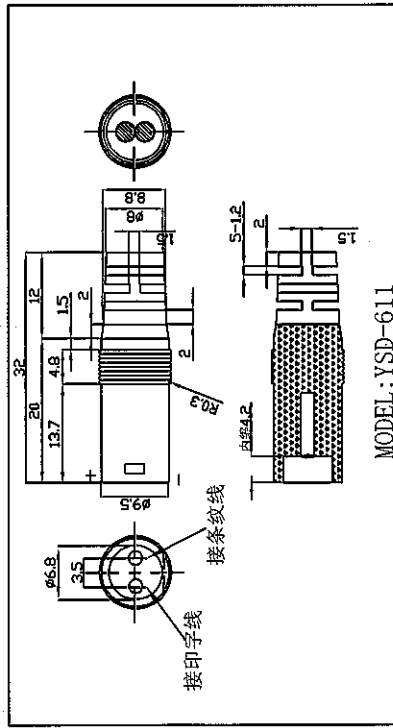


箭头指示正极
★为重点尺寸

★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

