



## Features



DIMENSIONS : 130(L) x 70(W) x 31.6(H)mm

- \*Convection cooled
- \*100% burn-in test
- \*No load power consumption less than 0.3W
- \*Comply with high efficiency Power 80Plus Criterion
- \*MOSFET designed
- \*2 years Warranty
- \*Output modify range: 3V~200VDC
- \*Split rail & Series connection possible

## General specifications

INPUT

Input range	90~264VAC 127~380VDC
Input frequency	47~440Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	16mS
Short protection	Autorecovery
Overload protection	Automatic power limited
Over voltage protection	Autorecovery

## Detail specifications



50 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) <sup>1</sup>			Ripple & Noise <sup>4</sup>	Line REG. <sup>2</sup>	Load REG. <sup>3</sup>	Efficiency <sup>5</sup>	O.V.P. Trip point
		Min.	Rated	Max.					
RP1050-09N	V1: +9V ±10%	0A	5.5A	5.5A	80mVp-p	±1%	±1%	72% Min.	12 ~ 15V
RP1050-12N	V1: +12V ±10%	0A	4.2A	4.2A	100mVp-p	±1%	±1%	74% Min.	15.0 ~ 18V
RP1050-15N	V1: +15V ±10%	0A	3.4A	3.4A	150mVp-p	±1%	±1%	75% Min.	20~ 24V
RP1050-24N	V1: +24V ±10%	0A	2.1A	2.1A	150mVp-p	±1%	±1%	76% Min.	27.6 ~ 31V
RP20501N	V1: +5V ±10%	0A	5A	5A	50mVp-p	±1%	±2%	73% Min.	5.8 ~ 7.0V -----
	V2: +12V-----	0A	2A	3A	100mVp-p	±1%	±5%		
RP20502N	V1: +5V ±10%	0A	3A	5A	50mVp-p	±1%	±1%	75% Min.	5.8 ~ 7.0V -----
	V2: +24V-----	0A	1.5A	2A	150mVp-p	±1%	±4%		
RP30501N	V1: +5V ±10%	0A	4A	5A	50mVp-p	±1%	±1%	73% Min.	5.8 ~ 7.0V ----- -----
	V2: +12V-----	0A	2A	3A	100mVp-p	±2%	±5%		
	V3: -5V-----	0A	0.5A	1A	50mVp-p	±3%	±7%		
RP30502N	V1: +5V ±10%	0A	4A	5A	50mVp-p	±1%	±1%	74% Min.	5.8 ~ 7.0V ----- -----
	V2: +12V-----	0A	2A	3A	100mVp-p	±2%	±5%		
	V3: -12V-----	0A	0.5A	1A	100mVp-p	±2%	±7%		
RP30503N	V1: +5V ±10%	0A	3A	5A	50mVp-p	±1%	±1%	74% Min.	5.8 ~ 7.0V ----- -----
	V2: +12V-----	0A	1A	3A	100mVp-p	±2%	±5%		
	V3: +24V-----	0A	1A	1A	150mVp-p	±2%	±7%		
RP30504N	V1: +5V ±10%	0A	4A	5A	50mVp-p	±1%	±1%	74% Min.	5.8 ~ 7.0V ----- -----
	V2: +15V-----	0A	1.5A	2A	150mVp-p	±2%	±5%		
	V3: -15V-----	0A	0.5A	1A	150mVp-p	±2%	±7%		

**CE Standards**

EN 55032 , EN 55035 ,  
EN 61000 -3-3, (EN 61000 -4-2,  
EN 61000 -4-3, EN 61000 -4-4,  
EN 61000 -4-5, EN 61000 -4-6,  
EN 61000 -4-8, EN 61000 -4-11)  
LVD: EN 62368 -1

**Safety Standards**

 UL/CUL 60950 Meet  
 CE Meet

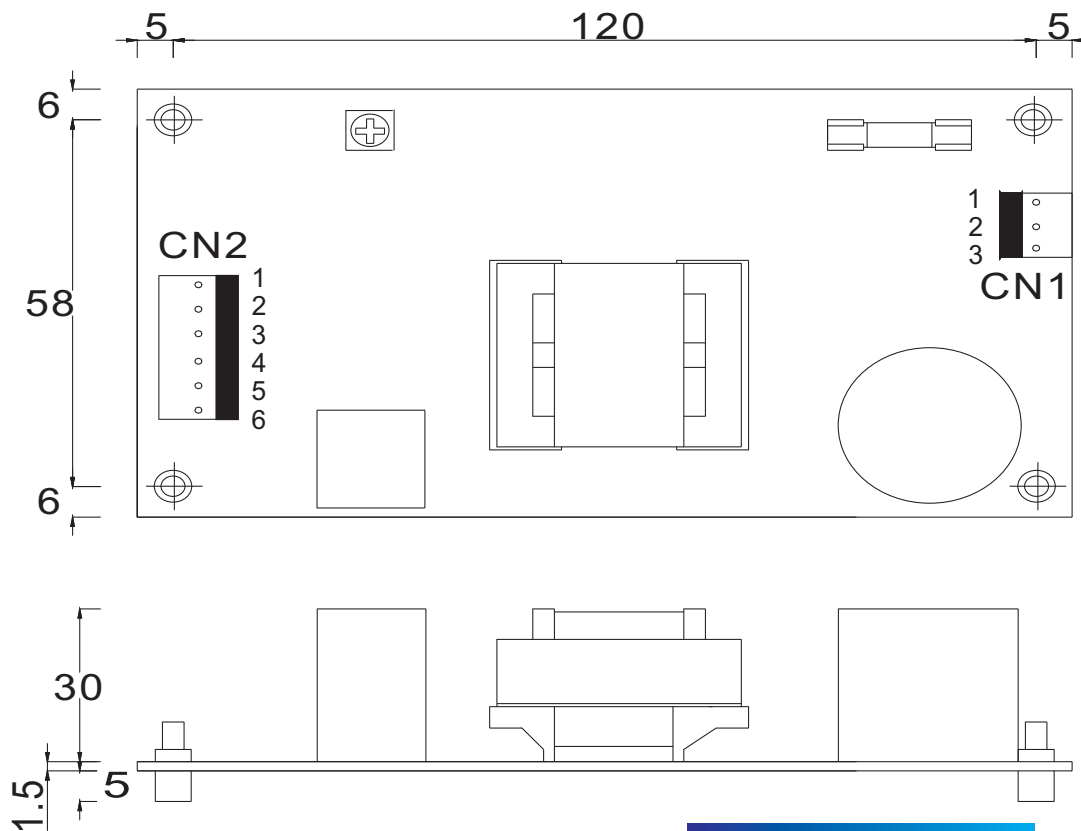
**Environments**

<b>Operating Temperature</b>	-15 ~ 50°C, Ambient
<b>Operating Humidity</b>	20 ~ 90% RH, No Condensing
<b>Storage Temperature</b>	-20 ~ 85°C, Ambient
<b>Vibration</b>	2G, 10~500Hz, 3 axes

- NOTE:**
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
  2. Line regulation is measured from low line to high line at rated load.
  3. Load regulation is measured from 20% to 100% of rated load at 220VAC input.
  4. Ripple & Noise are measured with 20MHz oscilloscope at 220VAC by using a 20cm long 12" twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point.
  5. Efficiency is measured at rated load and 220VAC input.
  6. Hold-up time is measured at rated load and 220VAC input.
  7. Output Voltage Adjustable is measured on 5% of rated load.
  8. Reign Power reserve the right to change specifications at any time without notice.



## Mechanical Details



**DIMENSIONS :**  
120(L) x 70(W) x 31.5(H)mm

## Panel Designation

**Input connector (CN1):**

3.96mm crimp style connector

3Pin(Pin 2 no pole) · 3.96mm · JS-4001

Pin	Input	Description
1	N	Neutral Terminal of AC Input
3	L	Line Terminal of AC Input

No Polarity At DC Input

**DC Output Connector (CN2):**

3.96mm crimp style connector

Single output: 2Pin · 3.96mm · JS-4001

Dual output: 3Pin · 3.96mm · JS-4001

Pin	Single	Dual	Description
1	NC	V3	G: DC Output Ground Terminal Vx: DC Output Terminal
2	G	V2	
3	G	G	
4	G	G	
5	V1	V1	
6	V1	V1	