



Features



DIMENSIONS : 100(L) x 64(W) x 26.5(H)mm
 RP1048-12S : 100(L) x 64(W) x 34(H)mm

- *Convection cooled
- *100% burn-in test
- *No- Load Consumption(0.3W, Optional)
- *ErP & 80Plus Standard(Optional)
- *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

20 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P. Trip point
		Min.	Rated	Max.					
RP1020-05S	V1: +5V ±10%	0A	4A	4A	50mVp-p	±1%	±1%	72% Min.	5.6 ~ 7.0V
RP20201S	V1: +5V ±10% V2: +12V-----	0A 0A	1.5A 1A	1.5A 1A	50mVp-p 100mVp-p	±1% ±2%	±1% ±4%	70% Min.	5.6 ~ 7.0V -----

30 Watts

RP20301S	V1: +24V ±10% V2: -12V-----	0A 0A	1A 0.5A	1A 0.5A	300mVp-p 100mVp-p	±1% ±2%	±1% ±4%	74% Min.	27.6 ~ 31V -----
RP20302S	V1: +8V ±10% V2: -8V-----	0A 0A	2.75A 1A	2.75A 1A	80mVp-p 80mVp-p	±1% ±2%	±1% ±4%	74% Min.	12.0 ~ 14V -----
RP20303S	V1: +8V ±10% V2: +24V-----	0A 0A	1A 0.9A	1A 0.9A	80mVp-p 300mVp-p	±1% ±2%	±1% ±4%	74% Min.	12.0 ~ 14V -----
RP20304S	V1: +5V ±10% V2: +24V-----	0A 0A	1.2A 1A	1.2A 1A	50mVp-p 300mVp-p	±1% ±2%	±1% ±4%	74% Min.	5.6 ~ 7.0V -----
RP20305S	V1: +15V ±10% V2: -15V-----	0A 0A	1A 1A	1A 1A	150mVp-p 150mVp-p	±1% ±2%	±1% ±4%	74% Min.	20.0 ~ 24V -----
RP20306S	V1: +24V ±10% V2: -24V-----	0A 0A	1A 0.25A	1A 0.25A	300mVp-p 300mVp-p	±1% ±2%	±1% ±4%	74% Min.	27.6 ~ 31V -----

36 Watts

RP1036-12S	V1: +12V ±10%	0A	3A	3A	100mVp-p	±1%	±1%	73% Min.	15.0 ~ 18V
RP1036-24S	V1: +24V ±10%	0A	1.5A	1.5A	150mVp-p	±1%	±1%	75% Min.	27.6 ~ 31V

**48 Watts**

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P. Trip point
		Min.	Rated	Max.					
● RP1030-05S	V1: +5V ±10%	0A	6A	6A	60mVp-p	±1%	±1%	73% Min.	6.25~7.5V
● RP1048-12S	V1: +12V ±10%	0A	4A	4A	100mVp-p	±1%	±1%	73% Min.	15.0~18V
● RP1048-24S	V1: +24V ±10%	0A	2A	2A	200mVp-p	±1%	±1%	73% Min.	27.6~31V
● RP1048-48S	V1: +48V ±10%	0A	1A	1A	300mVp-p	±1%	±1%	73% Min.	54.0~60V

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**Operating Temperature**

-15~ 50°C, Ambient

Operating Humidity

20 ~ 90% RH, No Condensing

Storage Temperature

-20 ~ 85°C, Ambient

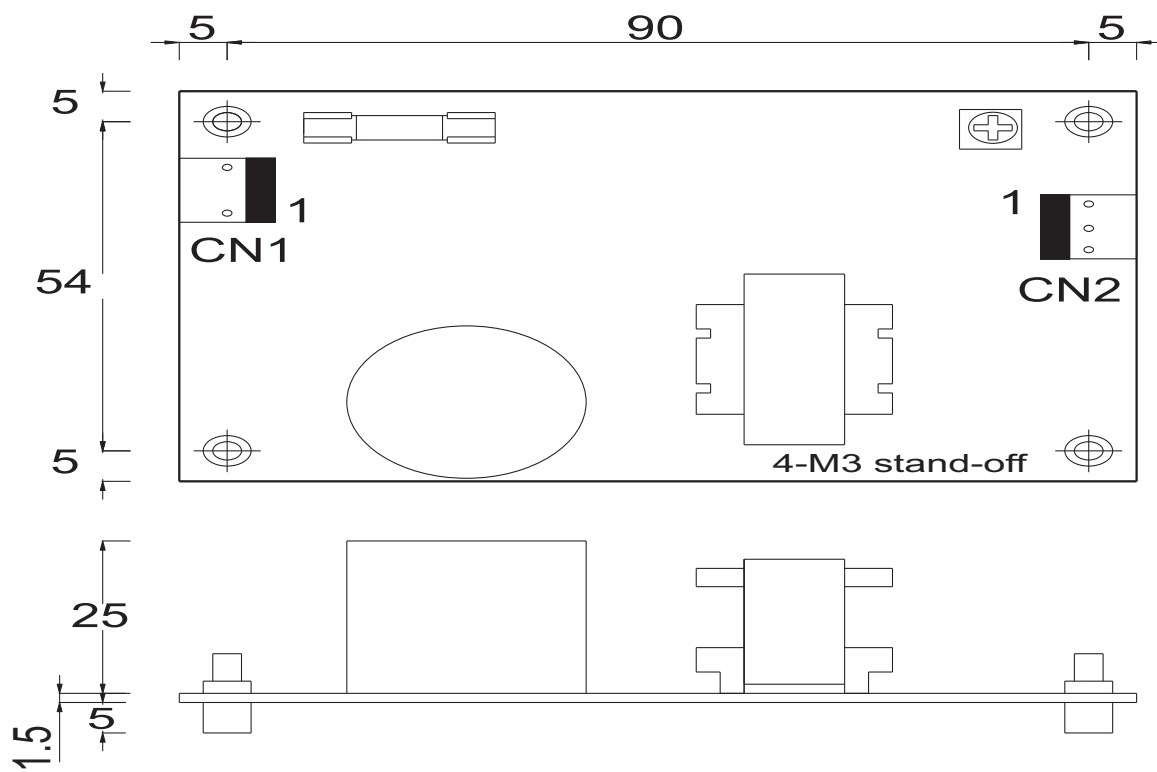
Vibration

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. With ● are non-safety approval.
 8. Output Voltage Adjustable is measured on 5% of rated load.
 9. Reign Power reserve the right to change specifications at any time without notice.



Mechanical Details



DIMENSIONS :
100(L) x 64(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	G	V2	G: DC Output Ground Terminal Vx: DC Output Terminal (Specify at spec.)
2	V1	G	
3		V1	