



Features

C[®] **US**
E159228DIMENSIONS : 151(L) x 99(W) x 35(H)mm
WEIGHTS: 500g

- Convection cooled
- 100% burn-in test
- MOSFET designed
- 2 years Warranty
- **Output modify range: 3V~200VDC**
- **Split rail & Series connection possible**

General specifications

INPUT

Input range

90~264VAC
127~380VDC
47~63Hz
20A/110VAC
40A/220VAC

Input frequency

Inrush current (25° C)

OUTPUT

Hold-up time

Short protection

Overload protection

Over voltage protection

16mS
Autorecovery
Automatic power limited
Optional

Detail specifications

50 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P. Optional
		Min.	Rated	Max.					
RP1050-05SV	V1: +5V ±10%	0A	10A	10A	50mVp-p	±1%	±1%	68% Min.	5.8 ~ 7.0V
● RP1050-09SV	V1: +9V ±10%	0A	5.5A	5.5A	80mVp-p	±1%	±1%	72% Min.	12 ~ 14V
RP1050-12SV	V1: +12V ±10%	0A	4.2A	4.2A	100mVp-p	±1%	±1%	74% Min.	15 ~ 18V
● RP1050-15SV	V1: +15V ±10%	0A	3.4A	3.4A	150mVp-p	±1%	±1%	75% Min.	20 ~ 24V
RP1050-24SV	V1: +24V ±10%	0A	2.1A	2.1A	150mVp-p	±1%	±1%	75% Min.	27.6 ~ 31V
RP20501SV	V1: +5V ±10%	0A	5A	5A	50mVp-p	±1%	±2%	73% Min.	5.8 ~ 7.0V -----
	V2: +12V-----	0A	2A	3A	100mVp-p	±2%	±5%		
RP20502SV	V1: +5V ±10%	0A	3A	5A	50mVp-p	±1%	±1%	73% Min.	5.8 ~ 7.0V -----
	V2: +24V-----	0A	1.5A	2A	150mVp-p	±2%	±4%		
RP30501SV	V1: +5V ±10%	0A	4A	5A	50mVp-p	±1%	±1%	70% Min.	5.8 ~ 7.0V ----- -----
	V2: +12V-----	0A	2A	3A	100mVp-p	±2%	±5%		
	V3: -5V-----	0A	0.5A	1A	50mVp-p	±3%	±7%		
RP30502SV	V1: +5V ±10%	0A	4A	5A	50mVp-p	±1%	±1%	72% Min.	5.8 ~ 7.0V ----- -----
	V2: +12V-----	0A	2A	3A	100mVp-p	±2%	±5%		
	V3: -12V-----	0A	0.5A	1A	100mVp-p	±2%	±7%		
RP30503SV	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%		
● RP30504SV	V1: +5V ±10%	0A	4A	5A	50mVp-p	±1%	±1%	73% 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%		



Detail specifications

60 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.					
● RP20603SAV INDIVIDUAL GND	V1: +5V ±10% V2: +24V-----	0A 0A	3A 1.8A	4A 2A	50mVp-p 120mVp-p	±1% ±2%	±1% ±4%	76% Min.	5.8 ~ 7.0V -----

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 APPROVAL

CE CE

Marking

Environments

Operating Temperature

-15~ 50°C, Ambient

Operating Humidity

20 ~ 90% RH, No Condensing

Storage Temperature

-20 ~ 85°C, Ambient

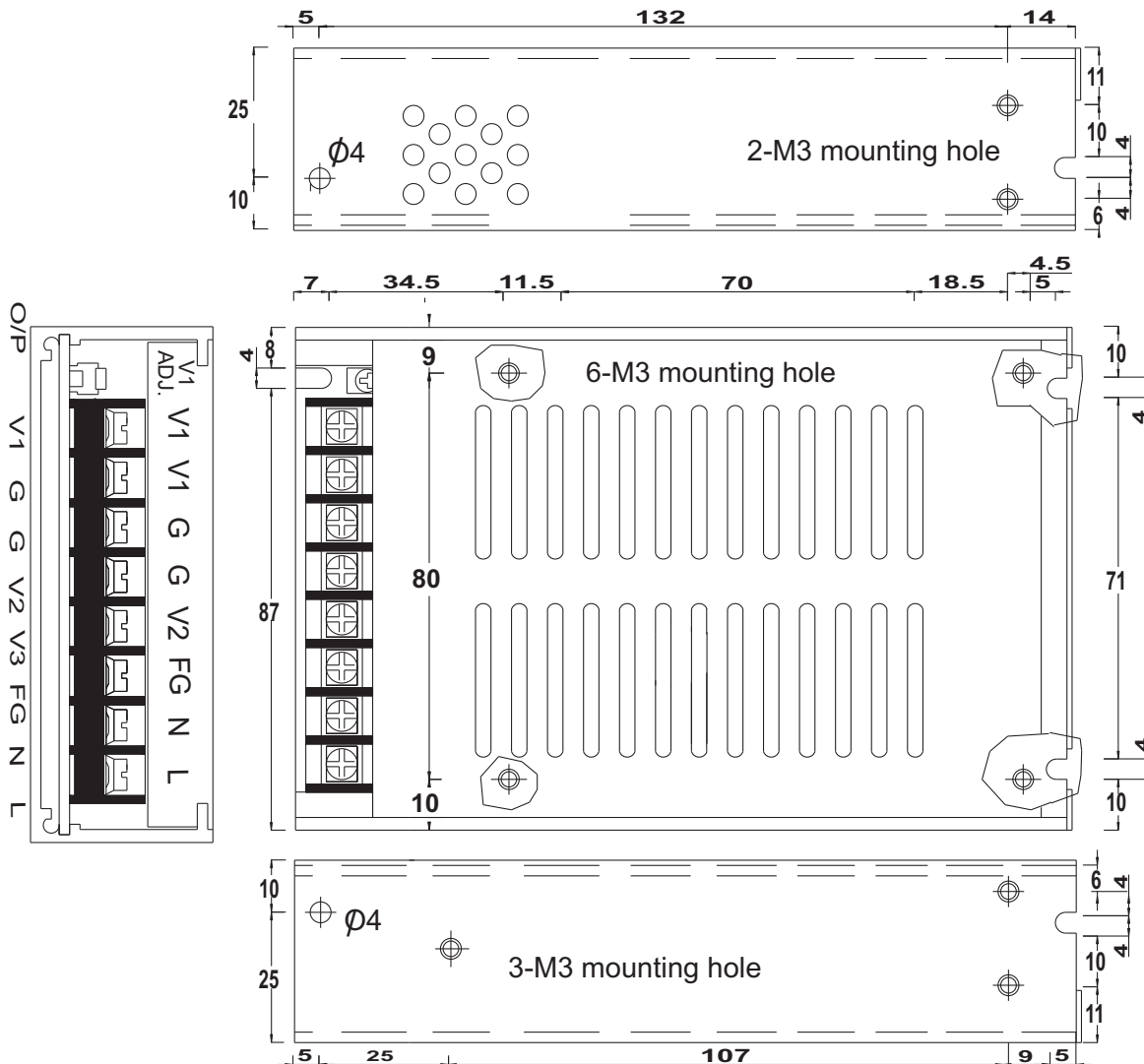
Vibration

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



CASE NO. : CS050

UNIT : mm

DIMENSIONS : 151(L) x 99(W) x 35(H)

Panel Designation

PCB Barrier Terminal Block

Pin	Single	Dual	Triple	Description
1	L	L	L	L : Line Terminal of Input N : Neutral Terminal of Input
2	N	N	N	
3	FG	FG	FG	FG : Ground (Earth) No Polarity At DC Input
4	NC	V2	V3	
5	G	G	V2	NC : No connection G : DC Output Ground Terminal Vx : DC Output Terminal (Specify at spec.)
6	G	G	G	
7	V1	V1	G	
8	V1	V1	V1	