



Features



C **UL** US
E159228



DIMENSIONS : 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% V2: +12V-----	0A 0A	5A 2A	5A 3A	50mVp-p 100mVp-p	±1% ±2%	±2% ±5%	73% Min.	5.8 ~ 7.0V -----
RP20502SV	V1: +5V ±10% V2: +24V-----	0A 0A	3A 1.5A	5A 2A	50mVp-p 150mVp-p	±1% ±2%	±1% ±4%	73% Min.	5.8 ~ 7.0V -----
RP30501SV	V1: +5V ±10% V2: +12V----- V3: -5V-----	0A 0A 0A	4A 2A 0.5A	5A 3A 1A	50mVp-p 100mVp-p 50mVp-p	±1% ±2% ±3%	±1% ±5% ±7%	70% Min.	5.8 ~ 7.0V ----- -----
RP30502SV	V1: +5V ±10% V2: +12V----- V3: -12V-----	0A 0A 0A	4A 2A 0.5A	5A 3A 1A	50mVp-p 100mVp-p 100mVp-p	±1% ±2% ±2%	±1% ±5% ±7%	72% Min.	5.8 ~ 7.0V ----- -----
RP30503SV	V1: +5V ±10% V2: +12V----- V3: +24V-----	0A 0A 0A	3A 1A 1A	5A 3A 1A	50mVp-p 100mVp-p 150mVp-p	±1% ±2% ±2%	±1% ±5% ±7%	74% Min.	5.8 ~ 7.0V ----- -----
● RP30504SV	V1: +5V ±10% V2: +15V----- V3: -15V-----	0A 0A 0A	4A 1.5A 0.5A	5A 2A 1A	50mVp-p 150mVp-p 150mVp-p	±1% ±2% ±2%	±1% ±5% ±7%	73% Min.	5.8 ~ 7.0V ----- -----



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

Marking

Environments

Operating Temperature

-15~ 50°C, Ambient

Operating Humidity

20 ~ 90% RH, No Condensing

Storage Temperature

-20 ~ 85°C, Ambient

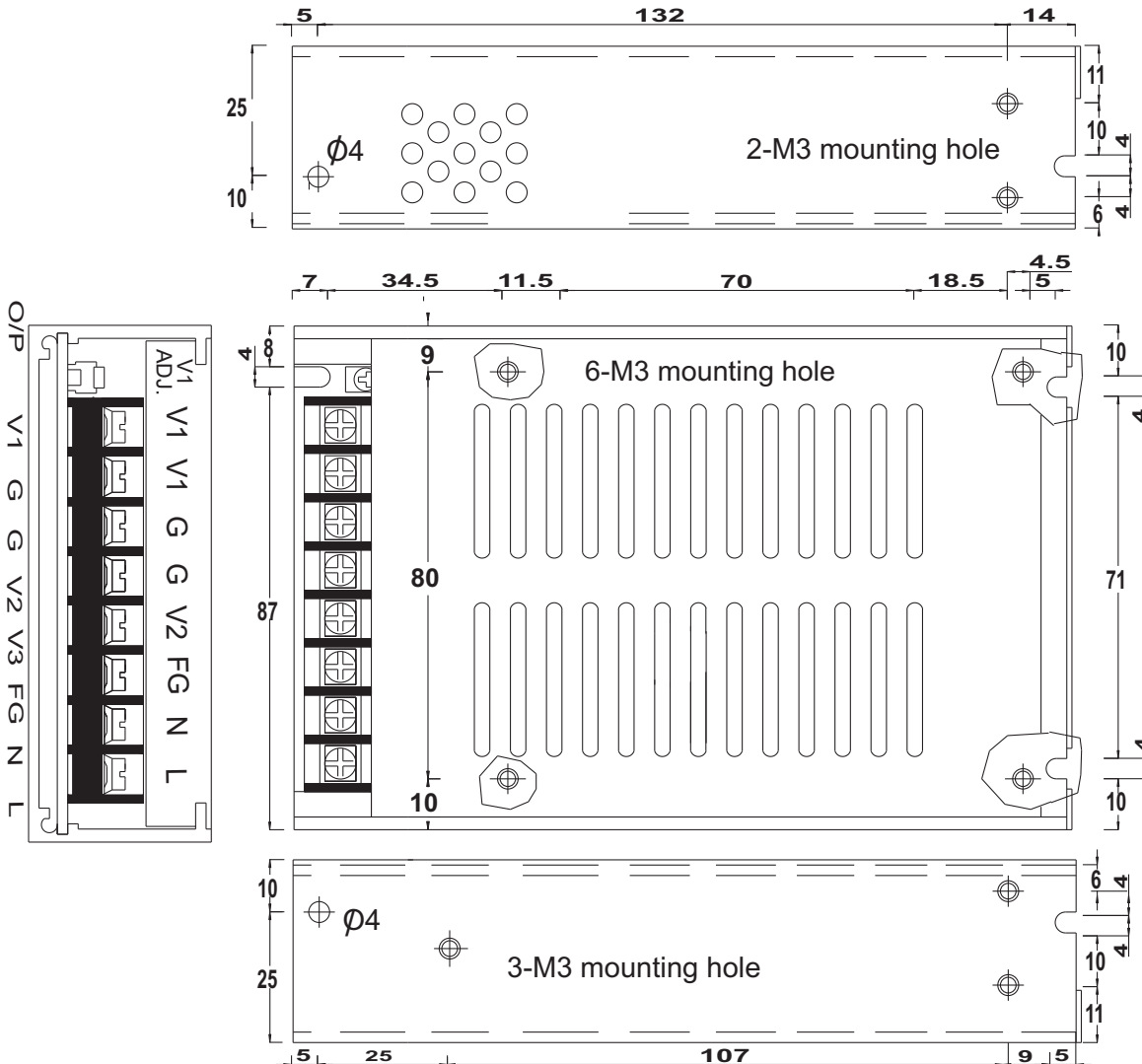
Vibration

2G, 10~500Hz, 3 axes

- NOTE:**
- Each output can provide up to maximum load, but total load can not exceed rated output power.
 - Line regulation is measured from low line to high line at rated load.
 - Load regulation is measured from 20% to 100% of rated load at 220VAC input.
 - 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.
 - Efficiency is measured at rated load and 220VAC input.
 - Hold-up time is measured at rated load and 220VAC input.
 - With ● are non-safety approval.
 - Output Voltage Adjustable is measured on 5% of rated load.
 - 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	NC : No connection G : DC Output Ground Terminal
5	G	G	V2	
6	G	G	G	Vx : DC Output Terminal (Specify at spec.)
7	V1	V1	G	
8	V1	V1	V1	