



Features



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

- *Convection cooled
- *Wide input range
- *100% burn-in test
- *Great reliability
- *MOSFET designed
- *150,000Hrs MTBF per MIL-HDBK-217F
- *2 years Warranty
- *No - Load Consumption (0.3W — Option)
- *ErP & 80Plus standard (Option)
- *Output modify range: 3V~200VDC
- *Split rail & Series connection possible
- *Full documentation for safety application available

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

**EMC Standards**

EN 5502 2 CLASS B
EN 6100 0-3-2 CLASS A
EN 6100 0-3-3, EN 5502 4
(IEC 6100 0-4-2, IEC 6100 0-4-3
IEC 6100 0-4-4, IEC 6100 0-4-5
IEC 6100 0-4-6, IEC 6100 0-4-8
IEC 6100 0-4-11)

Safety Standards

CE Marking

Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	5 ~ 95% 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 110VAC input.
 4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
 5. Efficiency is measured at rated load and 110VAC input.
 6. Hold-up time is measured at rated load and 110VAC input.
 7. Reign Power reserve the right to change specifications at any time without notice.