



Features



DIMENSIONS : 129(L) x 99(W) x 35(H)mm
WEIGHTS: 410g

- Convection cooled
- 100% burn-in test
- MOSFET designed
- 350,000Hrs MTBF per MIL-HDBK-217F
- 2 years Warranty
- Small in size
- Output modify range: 3V~200VDC

General specifications

INPUT

Input range	90~132/180~264VAC(Switchable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	10mS
Short protection	Autorecovery
Over load protection	Automatic power limited
Over voltage protection	

Detail specifications

Rated 100 Watts / Peak 200Watts

MODEL	O/P Volt Adj. ± %	Load (Current) ¹			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P.
		Min.	Rated	Max.					
LP21001M	V1: +5V ±10% V3: +12V-----	0A 0A	3A 7A	8A 15.4A	60mVp-p 120mVp-p	±1% ±5%	±5% ±5%	74%Min.	6.4~7.25V -----
LP21002M	V1: +5V ±10% V3: +24V-----	0A 0A	3A 3.5A	8A 7.7A	60mVp-p 240mVp-p	±1% ±5%	±5% ±5%	75%Min.	6.4~7.25V -----
LP31001M	V1: +5V ±10% V2: +12V----- V3: +24V-----	0A 0A 0A	3A 1.5A 2.8A	8A 3A 6.9A	60mVp-p 120mVp-p 240mVp-p	±1% ±5% ±5%	±5% ±5% ±5%	75%Min.	6.4~7.25V ----- -----
LP31002M	V1: +5V ±10% V2: -12V----- V3: +12V-----	0A 0A 0A	3A 1.5A 5.5A	8A 3A 13.9A	60mVp-p 120mVp-p 150mVp-p	±1% ±5% ±5%	±5% ±5% ±5%	73%Min.	6.4~7.25V ----- -----
LP31003M	V1: +5V ±10% V2: +12V----- V3: +48V-----	0A 0A 0A	3A 1.5A 1.4A	8A 3A 3.4A	60mVp-p 120mVp-p 480mVp-p	±1% ±5% ±5%	±5% ±5% ±5%	76%Min.	6.67~7.88V ----- -----

EMC Standards

En55022 CLASS A, EN55024
EN61000-3-2 CLASS A
EN61000-3-3, EN50082-1
EN6100-4-2, EN6100-4-3
ENV50204, EN61000-4-4
EN61000-4-5, EN61000-4-6
EN61000-4-11, EN60950

Safety Standards

UL 60950 (Meet)

CSA 60950 (Meet)



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(3000mS). but total load can not exceed peak load (200 Watts) output power. long time use can not exceed rated load(100Watts).
 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.