



Features :

- Constant current design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.7)
- Fully isolated plastic case
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.10)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

User's Manual



GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

SPECIFICATION



| MODEL | LPC-35-700 | LPC-35-1050 | LPC-35-1400 | |
|---------------------|---|---|-----------------------|--------------|
| OUTPUT | RATED CURRENT | 700mA | 1050mA | 1400mA |
| | DC VOLTAGE RANGE | 9 ~ 48V | 9 ~ 30V | 9 ~ 24V |
| | RATED POWER | 33.6W | 31.5W | 33.6W |
| | RIPPLE & NOISE (max.) Note.2 | 200mVp-p | 200mVp-p | 200mVp-p |
| | VOLTAGE TOLERANCE Note.3 | ±5.0% | | |
| | CURRENT ACCURACY | ±5.0% | | |
| | LINE REGULATION | ±1.0% | | |
| | LOAD REGULATION | ±2.0% | | |
| | SETUP, RISE TIME Note.6 | 500ms, 120ms / 230VAC | 500ms, 120ms / 115VAC | at full load |
| HOLD UP TIME (Typ.) | 50ms/230VAC | 16ms/115VAC | at full load | |
| INPUT | VOLTAGE RANGE Note.4 | 90 ~ 264VAC | 127 ~ 370VDC | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | |
| | EFFICIENCY (Typ.) | 85% | | |
| | AC CURRENT (Typ.) | 1.1A/115VAC | 0.7A/230VAC | |
| | INRUSH CURRENT(Typ.) | COLD START 55A(twidth=500µs measured at 50% Ipeak) at 230VAC | | |
| | MAX. No. of PSUs on 16A CIRCUIT BREAKER | 4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC | | |
| LEAKAGE CURRENT | 0.25mA / 240VAC | | | |
| PROTECTION | OVER VOLTAGE | 50.4 ~ 60V | 31.5 ~ 40.5V | 27.6 ~ 32.4V |
| | | Protection type : Shut off o/p voltage, clamping by zener diode | | |
| ENVIRONMENT | WORKING TEMP. | -30 ~ +70°C (Refer to "Derating Curve") | | |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +80°C, 10 ~ 95% RH | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0 ~ 50°C) | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | |
| SAFETY & EMC | SAFETY STANDARDS | UL1310, CAN/CSA C22.2 No. 223-M91(except for LPC-35-700), BIS IS15885, IEC62368-1, EAC TP TC 004, BS EN/EN62368-1, IP67 approved; | | |
| | WITHSTAND VOLTAGE | I/P-O/P:3KVAC | | |
| | ISOLATION RESISTANCE | I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH | | |
| | EMC EMISSION | Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class A, BS EN/EN61000-3-3, EAC TP TC 020 | | |
| | EMC IMMUNITY | Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020 | | |
| OTHERS | MTBF | 6050.2K hrs min. Telcordia SR-332 (Bellcore); 574.4K hrs min. MIL-HDBK-217F (25°C) | | |
| | DIMENSION | 148*40*30mm (L*W*H) | | |
| | PACKING | 0.34Kg; 40pcs/14.6Kg/0.70CUFT | | |

NOTE

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance : includes set up tolerance, line regulation and load regulation.
- Derating may be needed under low input voltage. Please check the static characteristics for more details.
- The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. (as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf)
- Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
- Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.
- The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf
- This product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.)

※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>

