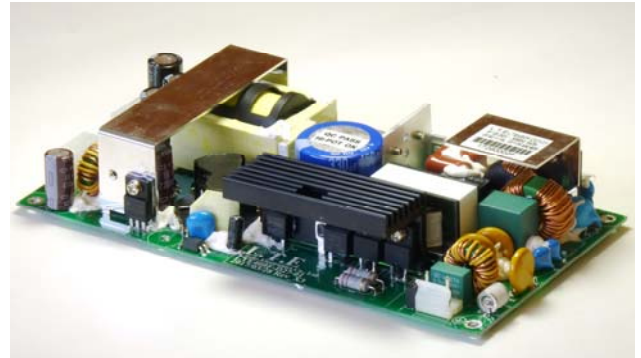


LTE460F series

Open Frame Switching Mode Power Supply

Main Features:

- Standard 3.89" x 7.39" footprint design
- Output Power up to 460W



Technical Specification:

Input and Output Specification:

| Voltage (Vdc) | | Load Range (A) | | Line Regulation (%) | Load Regulation (%) (Note 1) | Ripple&Noise (PARD) (mVp-p) (Note 2) |
|---------------|-------|----------------|--------------------|---------------------|---------------------------------|---|
| | | MIN. | Max. (Air Flow) | | | |
| V1 | +12V | 0A | 5A | ±1% | 11.4~12.6Vdc (±5%) | 120mVp-p |
| V2 | +54V | 0A | 7.4A | ±1% | 52.38~55.62Vdc (±3%) | 250mVp-p |
| 12V_PG | +3.3V | 0A | 1mA | ±1% | 2.97~3.63Vdc (±10%) | - |
| 54V_PG | +3.3V | 0A | 1mA | ±1% | 2.97~3.63Vdc (±10%) | - |

Note: 1.Load regulation is tested at 10% to 100% of rated load.

Note: 2.Peak-to-peak for 400.03W (54V) for PoE Ports and 60W (12V) for system operation (with 23.5CFM Fan)@115Vac MIN.; Measurements with a 20MHz bandwidth and terminated with a 22uf electrolytic Cap.in parallel with a 0.1uf ceramic Cap.

General Specification

Turn-on Time (Full Load @115Vac):3 Sec

Hold-up Time (Full Load @115Vac): TBD

Safety Ground Leakage Current (Class I Type@230Vac 50Hz): <3.5mA

Protection Specification:

Brown-Out Protection: Auto-Recovery

Over Voltage Protection: Latch Off V1 (105%~1600%) V2 (105%~130%)

Over Load protection: Hiccup/Auto-Recovery (Overcurrent Range@110%~200%Above Rating Load)

Short Circuit Protection: Hiccup/Auto-Recovery

Environment Specification:

Operating Temperature:0-50°C

Storage Temperature:-40 to 85 °C

Storage Humidity: 5% to 95% RH

LTE460F series

Open Frame Switching Mode Power Supply

Safety and EMC Approval:

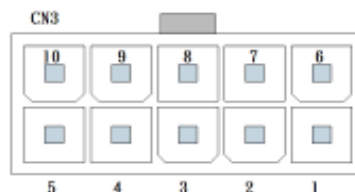
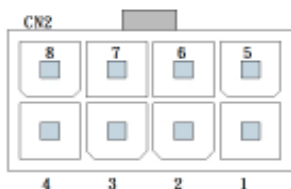
| Safety/Model | D27 |
|-------------------------|-----|
| UL 60950-1 | TBD |
| cUL 60950-1 | TBD |
| TUV EN 60950-1 | TBD |
| CB Report (IEC 60950-1) | TBD |
| CE | TBD |

Mechanical Specification:

Dimensions: 3.89" x 7.39" x 1.36"

Connector Types & PIN Assignments:

| Connector | Connector Type | PIN Number | Signal |
|------------------|---|------------|---------|
| CON1 (INPUT) | A7920WV-02P or Equivalent Parts | PIN1 | NEUTRAL |
| | | PIN2 | NC |
| | | PIN3 | LINE |
| CON2 (Output) | JOINT TECH C4255 WV-2x04P or Equivalent Parts | PIN1 | 54V |
| | | PIN2 | 54V |
| | | PIN3 | 54V+S |
| | | PIN4 | 54V-S |
| | | PIN5 | 54V_RTN |
| | | PIN6 | 54V_RTN |
| | | PIN7 | NC |
| | | PIN8 | NC |
| CON3 (Output) | JOINT TECH C4255 WV-2x05P or Equivalent Parts | PIN1 | 12V_PG |
| | | PIN2 | 12V-S |
| | | PIN3 | 12V+S |
| | | PIN4 | 12V |
| | | PIN5 | GND |
| | | PIN6 | 54V_PG |
| | | PIN7 | PS_ON |
| | | PIN8 | NC |
| | | PIN9 | 12V |
| | | PIN10 | GND |



Mechanical Drawing:

