

LTE60FM series

Open Frame Switching Mode Power Supply

Main Features:

- Standard 2"x4" footprint design
- Output Power up to 60W



Technical Specification:

Input and Output Specification:

| | S2 | S3 | S4 | S6 | S5 | S7 |
|------------------------|-------------|-------|-------|--------|-------|--------|
| Input Voltage | 100-240 Vac | | | | | |
| Frequency | 50 / 60Hz | | | | | |
| Output Voltage | 12V | 15V | 24V | 36V | 48V | 56V |
| Min Load | 0A | 0A | 0A | 0A | 0A | 0A |
| Max Load | 5.0A | 4.0A | 2.5A | 1.67A | 1.25A | 1.08A |
| Output Power | 60.0W | 60.0W | 60.0W | 60.12W | 60.0W | 59.92W |
| Line Regulation | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| Load Regulation | ±3% | ±3% | ±3% | ±3% | ±3% | ±3% |
| Ripple & Noise (mVp-p) | 120 | 150 | 240 | 360 | 480 | 560 |
| Efficiency@115V;@230V | 85% | 85% | 85% | 85% | 85% | 85% |

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

Note: 2.Peak-to-peak for 60W(convection rating)@115Vac MIN.; Measurements with a 20MHz bandwidth and terminated with a 10uf electrolytic Cap.in parallel with a 0.1uf ceramic Cap.

General Specification

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

Hoid-up Time(Full Load @115Vac):15mSec

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

Protection Specification:

Brown-Out Protection: Auto-Recovery

Over Voltage Protection : Latch Off(140%±30%)

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

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Safety and EMC Approval:

| Safety/Model | S2 | S3 | S4 | S6 | S5 | S7 |
|-------------------------|-----|-----|-----|-----|-----|-----|
| UL 60950-1 | TBD | TBD | TBD | TBD | TBD | TBD |
| cUL 60950-1 | TBD | TBD | TBD | TBD | TBD | TBD |
| TUV EN 60950-1 | TBD | TBD | TBD | TBD | TBD | TBD |
| CB Report (IEC 60950-1) | TBD | TBD | TBD | TBD | TBD | TBD |
| CE | TBD | TBD | TBD | TBD | TBD | TBD |
| BSMI | TBD | TBD | TBD | TBD | TBD | TBD |
| LPS | TBD | TBD | TBD | TBD | TBD | TBD |

Mechanical Specification:

Dimensions: 2"X3"X1

Connector Types & PIN Assignments:

| Connector | Connector Type | PIN Number | Signal |
|------------------|---------------------------------|--------------------------------|--------------|
| CON1 (INPUT) | JOINT A7921WV-2P or Equivalent. | PIN1 | LINE |
| | | PIN2 | N.C |
| | | PIN3 | NEUTRAL |
| CON2 (Output) | JOINT A3961WV-6P or Equivalent. | Pin 3 ~ Pin 4 Pin 1 ~ Pin 2 | +V RETURN |

Mechanical Drawing:

