

# LTE60FS 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:

	S0	S1	S1-1	S2	S3	S4	S4-1	S6	S5
Input Voltage	100-240 Vac								
Frequency	50 / 60Hz								
Output Voltage	3.3V	5V	9V	12V	15V	24V	30V	36V	48V
Min Load	0A	0A	0A	0A	0A	0A	0A	0A	0A
Max Load	8.0A	8.0A	6.67A	5.0A	4.0A	2.7A	2.17A	1.8A	1.36A
Output Power	26.4W	40W	60W	60W	60W	65W	65W	65W	65W
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Ripple & Noise (mVp-p)	66	75	90	120	150	240	300	360	480
Efficiency@115V;@230V	>75%; >76%	>78%; >80%	>78%; >80%	>80%; >82%	>81%; >82%	>84%; >85%	>84%; >85%	>84%; >85%	>84%; >85%

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

Note: 2.Peak-to-peak for 26.4W(S0) 40W(S1) 60W(S1-1.S2.S3) 65W(S4.S4-1.S5.S6) (convection rating)@90Vac 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):2 Sec

Hoid-up Time(Full Load @115Vac):16mSec

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

## Protection Specification:

Brown-Out Protection:Auto-Recovery

Over Voltage Protection : Latch Off(150%±35%)>(S0) (145%±25%)>(S1) (140%±20%)>(S1-1.S2.S3) (130%±15%)>(S4.S4-1.S5) (135%±20%)>(S6)

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

## Environment Specification:

Operating Temperature:0-50℃

Storage Temperature:-40 to 85 ℃

Storage Humidity:5% to 95% RH



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Safety and EMC Approval:

Safety/Model	S0	S1	S1-1	S2	S3	S4	S4-1	S6	S5
UL 60950-1	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
cUL 60950-1	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
CB Report (IEC 60950-1)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TUV EN 60950-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CE	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified

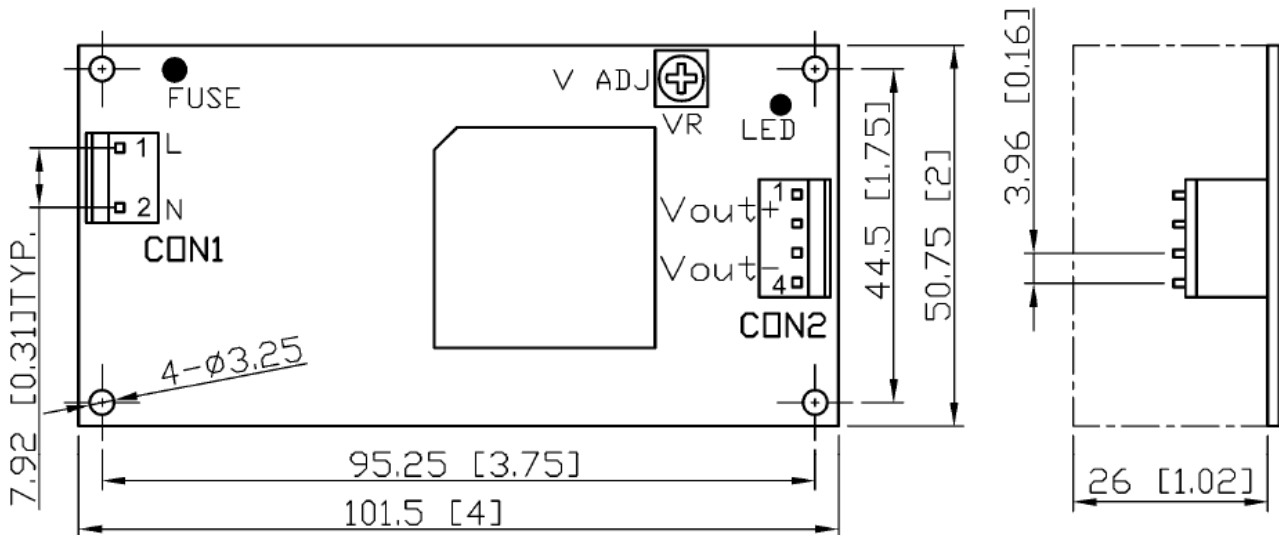
Mechanical Specification:

Dimensions: 2"X4"X1.02"

Connector Types & PIN Assignments:

Connector	Connector Type	PIN Number	Signal
CON1 (INPUT)	Molex#09-65-2038 or Equivalent;	PIN1 PIN2	LINE NEUTRA
	Mating Connector=Molex#09-52-4034 or Equivalent		
CON2 (Output)	Molex#09-65-2048 or Equivalent;	Pin 1~Pin 2 Pin3~Pin4	V+ RETURN
	Mating Connector=Molex#09-52-4044 or Equivalent		

Mechanical Drawing:



TOLERANCE :mm $\pm$ 0.5/[inch] $\pm$ 0.02

UNIT :mm[inch]