

LTE45FS series

Open Frame Switching Mode Power Supply

Main Features:

- Standard 2"x4" footprint design
- Output Power up to 45W



Technical Specification:

Input and Output Specification:

	S0	S1	SY	S2	S3	S4	SR	S6	S5	S7
Input Voltage	100-240 Vac									
Frequency	50 / 60Hz									
Output Voltage	3.3V	5V	9V	12V	15V	24V	30V	36V	48V	56V
Min Load	0A	0A	0A	0A	0A	0A	0A	0A	0A	0A
Max Load	6A	6A	4.2A	4.2A	3.0A	2.1A	1.6A	1.35A	1.05A	0.8A
Output Power	19.8W	30.0W	37.8W	50W	45W	50W	48W	48.6W	50W	44.8W
Line Regulation	±0.5%	±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%	±3%
Ripple & Noise (mVp-p)	66	75	90	120	150	240	300	360	480	560
Efficiency@115V;@230V	>69%; >70%	>75%	>78%; >80%	>80%; >82%	>81%; >82%	>81%; >82%	>83%; >84%	>84%; >85%	>83%; >84%	>85%; >87%

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

Note: 2.Peak-to-peak for 19.8W(S0)30W(S1) 50W(S2) 45W(S3) 50W(S4.5)48.6W(S6)44.8W(S7) 48W(SR) 37.8W(SY)(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%±30%)>(S0) (145%±25%)>(S1) (140%±20%)>(S2.3.SR.SY) (130%±15%)>(S5.4)

(135%±20%)>(S6) (130%±20%)>(S7)

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	SY	S2	S3	S4	SR	S6	S5	S7
UL 60950-1	N/A	Certified	N/A	Certified	N/A	Certified	N/A	N/A	Certified	N/A
cUL 60950-1	N/A	Certified	N/A	Certified	N/A	Certified	N/A	N/A	Certified	N/A
CB Report (IEC 60950-1)	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
TUV EN 60950-1	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
CE	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified

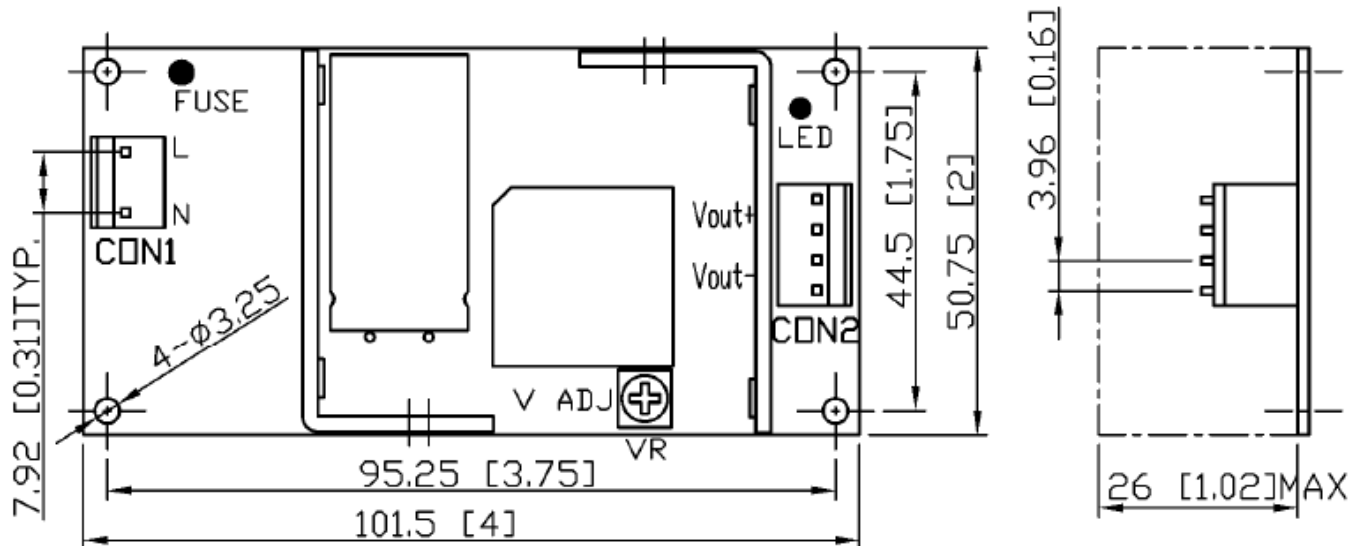
Mechanical Specification:

Dimensions: 2"X4"X1.02

Connector Types & PIN Assignments:

Connector	Connector Type	PIN Number	Signal
CON1 (INPUT)	Molex#09-65-2038 or Equivalent; Mating Connector = Molex#09-52-4034 or Equivalent	PIN1	LINE
		PIN2	NEUTRAL
CON2 (Output)	Molex#09-65-2048 or Equivalent; Mating Connector = Molex#09-52-4044 or Equivalent	Pin 1 ~ Pin 2	+V
		Pin 3 ~ Pin 3	RETURN

Mechanical Drawing:



TOLERANCE :mm±0.5/[inch]±0.02

UNIT :mm[inch]

