

LTE45FM series

Open Frame Switching Mode Power Supply

Main Features:

- Standard 2"x3" footprint design
- Output Power up to 45W



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	3.8A	3.0A	1.9A	1.25A	0.94A	0.8A
Output Power	45.6W	45.0W	45.6W	45.0W	45.12W	44.8W
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 45W(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℃

Storage Temperature:-40 to 85 ℃

Storage Humidity:5% to 95% RH

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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"X0.95"

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	+V
		Pin 1 ~ Pin 2	RETURN

Mechanical Drawing:

