

LTE150F SERIES

Open Frame Switching Mode Power Supply

L.T.E.

Main Features:

- Standard 3"x5" footprint design
- Design for Industrial Application, Printer Application, Network System, Telecommunication Application, and Storage System
- Output Power up to 150W
- With 48Vdc and 56Vdc Output suitable for POE Application



Technical Specification:

Input and Output Specification:

	S2	S3	SW	S4	SR	S5	S7
Input Voltage	90 – 264 Vac						
Frequency	50/60 Hz						
Input Current	@115Vac 2.5Arms ; @230Vac 1.5Arms						
Inrush Current	Cold start@115Vac <40 Ap-p ; @230Vac < 80 Ap-p						
Output Voltage	12V	15V	19V	24V	30V	48V	56V
Min. Load	0.0 A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
Max Load	10.0A	10.0A	7.9A	6.25A	5.0A	3.20A	2.7A
Output Power	120W	150W	150W	150W	150W	150W	150W
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±5%	±5%	±5%	±5%	±5%	±5%	±5%
Ripple & Noise (mVp-p)	120	150	190	240	300	480	560
Efficiency	>80%	>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 120W(S2)150W(SX) convection rating @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): > 16mSec

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	SW	S4	SR	S5	S7
UL 60950-1	V	--	--	V	N/A	V	V
cUL 60950-1	V	--	--	V	N/A	V	V
CB Report(IEC60950-1)	V	V	V	V	V	V	V
TUV EN 60950-1	V	V	V	V	V	V	V
CE	V	--	--	V	--	V	V
FCC	V	--	--	V	--	V	V

Mechanical Specification:

Dimensions: 3.0" x 5.0" x 1.17"

Connector Types & PIN Assignments:

Connector	Connector Type	PIN Number	Signal
CON 1 (INPUT)	Molex 0010634027 or Equivalent parts Mating Type=Molex 0009501031 or Equivalent	Pole 1 Pole 2 Pole 3	NEUTRAL NC LINE
CON2 (OUTPUT)	Molex 000965268 or Equivalent parts Mating Type= Molex 0009501061 or Equivalent	Pole 4~6 Pole 1~3	+V1 RETURN

Mechanical Drawing:

