



E-Star Power Development Co., Ltd. (E-STAR)

No.305, Sec. 2, Jhongshan Rd., Banciao City, Taipei County 22067, Taiwan

Phone : 886-2-2957 5580 Fax : 886-2-2957 7473

120W Open Frame type single output power supply <LTE120FS

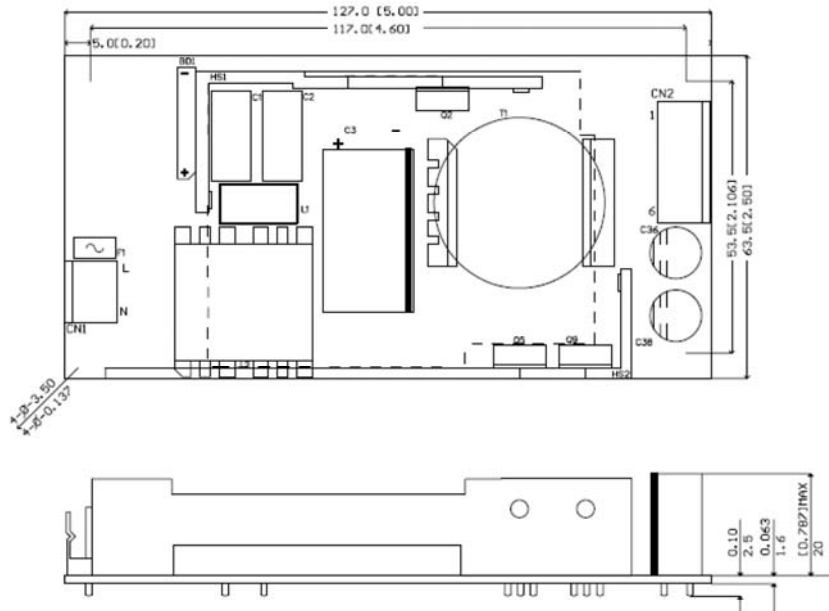
<p>Features: EFFICIENCY : > 85% TYPICAL AT FULL LOAD TURN-ON TIME: 3SEC MAX AT FULL LOAD @ 115VAC HOLD-UP TIME: 16MS TYPICAL AT FULL LOAD @ 115VAC MTBF DEMONSTRATED: > 100,000 HOURS AT FULL LOAD AND 25 DEGREE AMBIENT CONDITIONAL</p> <p>Input/Output Specification: Input Voltage: AC 100V~240V 50/60Hz Output Power: 120W Output Voltage: 12.2V/ 15V/ 20V/ 24V/ 30V/ 36V/ 48V</p>			
Model No.		LTE120WFS	
AC input voltage range		90-264 Vac, with Power Factor Correction , 47-63 Hz	
AC inrush current (max.)		60A Typical, COLD START@ 240Vac , 90 Degree	
Over Current Protection		120%~140% Output with Constant Current Control	
Over voltage protection		130%~150% Output Voltage	
Over Temperature Protection		Output Shutdown @130~140 °C on Transformer Winding Temperature	
Output Wattage		120Watts MAX (15CFM Air Flow Cooling) 90Watts MAX (Convection Cooling)	
Ripple & Noise		1 % Typical At Full Load (Note2)	
Withstand voltage		1500Vac (Class I) / 3000Vac (ClassII)	
Working temperature		0°C TO 50°C AMBIENT, DERATED EACH OUTPUT AT 2.5% PER °C FROM 50°C TO 70°C	
Storage Temperature		-40~85°C	
Operating Relative Humidity		5~95% RH	
No Load Standby Power		< 0.5W @ 240 Vac Efficiency meet EPA 2.0 CEC Level V	
Vibration		RANDOM OPERATING 2.4 GRMS/MAX. 3 AXES 50~500Hz 10 MINUTES/AXIS SHOCK : OPERATING HALF SINE 20 GPK/MAX. 3 AXES 10mS 6 SHOCKS TOTAL	
Safety standards		UL,cUL,TUV, CE	
EMC standards		EMI CONDUCTED/RADIATED: FCC & CISPR CLASS B DESIGNED TO MEET EN61000-3-3,-4-2,-3,-4,-5,-6,-8,-11	
Dimension (L*W*H)(mm)		127x63.5x20mm	
LTE120FS-12	12V, 10A	LTE120FS-30	30V, 4A
LTE120FS-15	15V, 8A	LTE120FS-36	36V, 3.5A
LTE120FS-20	20V, 6A	LTE120FS-48	48V, 2.5A
LTE120FS-24	24V, 5A		



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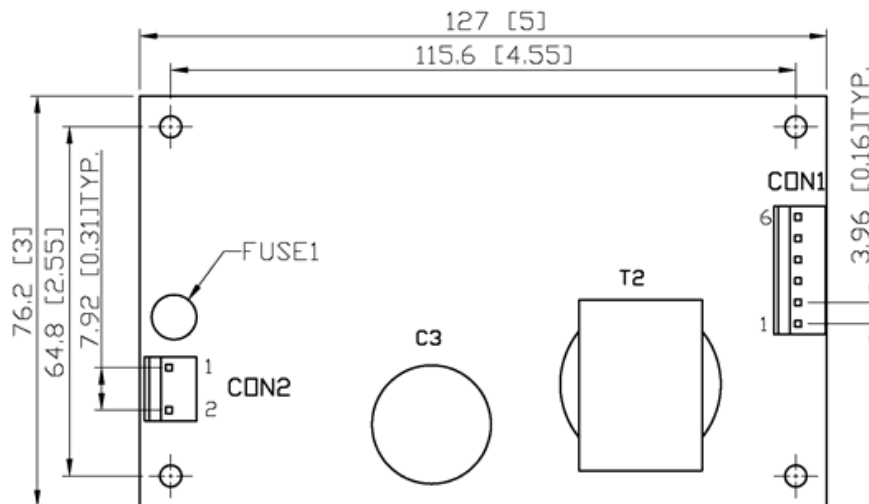
120W Open Frame type single output power supply <LTE120FS

©Drawing & Dimensions : 5"x2.5"x1.5"



©Connector Types & Pin Assignments :

Connector NO.	Connector Type	Pin Number	Signal
CN1 (Input)	MOLEX 09-65-2038 or Equivalent, Mating Type=MOLEX 09-52-4034 or Equivalent	PIN 1 PIN 2 PIN 3	LINE N.C. NEUTRAL
CN2 (Output)	MOLEX 09-65-2068 or Equivalent, Mating Type=MOLEX 09-52-4064 or Equivalent	PIN 4 ~ 6 PIN 1 ~ 3	+V RETURN



TOLERANCE :mm±0.5/[inch]±0.02
 UNIT :mm[inch]