

LTE 120F SERIES 80W/120 DUAL OUTPUT SWITCHING POWER

SUPPLY

INPUT / OUTPUT SPECIFICATION

VOLTAGE : 90-264 VAC, Universal
 FREQUENCY : 47-63
 CURRENT : 1.6 ARMS. MAX. @115VAC 122W LOAD
 0.8 ARMS. MAX. @230VAC 122W LOAD
 INRUSH SURGE : < 40 Ap-pl. @115Vac (Cold Start at 25 Degree)
 < 70 Ap-pl. @230Vac (Cold Start at 25 Degree)
 OUTPUT WATTAGE : @ Convection Rating-----80 Watts MAX
 @ With 15CFM Forced Air Rating ---122 Watts MAX
 OVERSHOOT/UNDERSHOOT @ Turn-on / Turn-off---- <5%
 OUTPUT RANGE :



VOLTAGE	LOAD RANGE					Line Regulation (%)	Load Regulation (%) (Note1)	Ripple & Noise (mVp-p) (Note3)
	MIN	MAX (CONVECTION)	MAX (WITH 15CFM FORCED AIR)	Peak (NOTE1)				
V1 5V	1.0A	6.4A	10.0A	11A	+/- 0.5%	4.75~5.25 Vdc (+/- 5.0%)	100mVp-p (2.0%)	
V2 12V	0.6A	4.0A	6.0A	6.6A		11.4~12.6 Vdc (+/- 5.0%)	120mVp-p (1.0%)	

NOTE:
 1. PEAK CURRENT LASTING < 30SECS WITH A MAXIMUM 10% DUTY CYCLE
 2. CROSS/LOAD REGULATION IS TESTED AT 10% TO 100% OF RATED LOAD AND OTHER OUTPUTS ARE SET AT 50% OF RATED LOAD.
 3. PEAK-TO-PEAK FOR 80W (CONVECTION RATING) @90VAC MIN ; 122W (WITH 15CFM FORCED AIR) @ 100VAC MIN;
 MEASUREMENTS WITH A 20MHZ BANDWIDTH AND TERMINATED WITH A 10UF ELECTROLYTIC CAP. IN PARALLEL WITH A 0.1UF CERAMIC CAP.

ENVIRONMENTAL:

OPERATING TEMPERATURE : 0°C TO 40°C Ambient
 STORAGE TEMPERATURE : -40°C TO 85°C
 HUMIDITY : @ Non-Condensing form 5% TO 95%
 VIBRATION : Random Operating, 2.4 Grms/Max. 3 axes, 50~500Hz 10 minutes/axis
 SHOCK : Operating, Half Sine, 3 Axes, 10mS, 6 shocks total 20 Gpk/Max

GENERAL SPECIFICATION:

EFFICIENCY : >78% @115 Vac with full Load ; >80% @ 230Vac With Full Load
 TURN-ON TIME: < 2 Sec @ 115Vac With Full Load
 HOLD-UP TIME: > 10mSec @ 115Vac With convection Rating
 MTBF DEMONSTRATED: > 100,000 Hours @ 25Degree With full Load , MIL-HDBK-217F

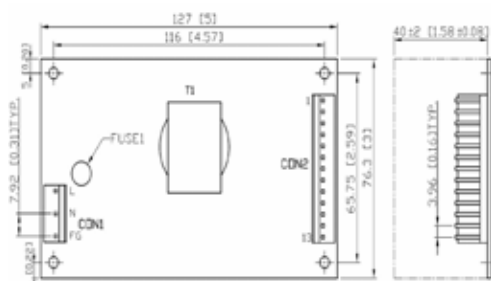
ELECTROMAGNETIC COMPATIBILITY SPECIFICATIONS:

EMI CONDUCTED/RADIATED: FCC PART 15 & CISPR22 & EN55022 CLASS B
 DESIGNED TO MEET EN61000 -3-2, -3-3, -4-2, -4-4, -4-5, -4-6, -4-11,

CONNECTOR TYPE & PIN ASSIGNMENTS

CONNECTOR NO.	CONNECTOR TYPE	PIN NUMBER	SIGNAL
CON2 INPUT	JST#B 5P-VH or Equivalent Mating Connector = JST#VHR-5N or Equivalent	PIN1 PIN2 PIN3	LINE NEUTRAL FG
CON1 OUTPUT	JST#13P-VH or Equivalent Mating Connector = JST#VHR-13N or Equivalent	PIN1~PIN2 / PIN3~PIN6 PIN7~PIN9 / PIN10 / PING11~PIN12 / PIN13	V2=+12V / V1=+5V RETURN / R.C. TETURN / R.C.

MECHANICAL DRAWING (5"x3"x1.5")



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Specification is subject to change without notice