

# LTE200F-D41 AC/DC Switching Power Supplies

## LTE 200F-D41

### INPUT SPECIFICATIONS :

VOLTAGE 90-264 VAC, UNIVERSAL  
 FREQUENCY AUTO RANGING  
 CURRENT 2.5 ARMS. MAX. @115VAC 197W LOAD  
 1.5 ARMS. MAX. @230VAC 197W LOAD  
 INRUSH SURGE CURRENT < 45AP-P TYPICAL, COLD START @25°C, 115VAC

### OUTPUT SPECIFICATIONS :

OUTPUT WATTAGE 197 WATTS MAX. (CONVECTION RATING)  
 LINE REGULATION +/-0.5% TYPICAL  
 LOAD REGULATION MAIN OUTPUTS +/- 3%, AUX. OUTPUTS +/- 4 % TYPICAL (NOTE2)  
 NOISE & RIPPLE 1.5-2 % TYPICAL AT FULL LOAD (NOTE3)  
 OVERSHOOT/UNDERSHOOT ±10% MAX. @ TURN-ON/ TURN-OFF

VOLTAGE (Vdc)	LOAD RANGE (A)			LINE REGULATION	LOAD REGULATION (NOTE 2)	RIPPLE & NOISE (NOTE 3)
	MIN	MAX	PEAK (N1)			
V1 +24V	0.8A	8.0A	8.5A	±0.5%	23.28~24.72Vdc (±3.0%)	240mVp-p (1.0%)
V2 +5V SB	0A	1.0A	1.2A		4.6~5.1Vdc (+2%,-8%)	125mVp-p (2.5%)

**Note :** 1. Peak current lasting <30 seconds 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 197W (convection rating) @90Vac 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, DERATED EACH OUTPUT AT 1.0% PER °C FROM 40°C TO 50°C  
 STORAGE TEMPERATURE : -40°C TO 85°C  
 HUMIDITY : OPERATING, NON-CONDENSING, 5% TO 95%  
 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

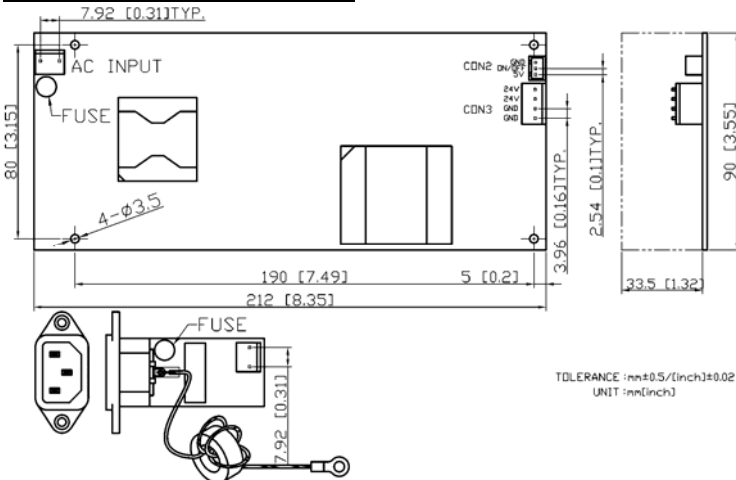
### GENERAL SPECIFICATIONS :

EFFICIENCY : @115VAC WITH FULL LOAD >82 %, AND @230VAC WITH FULL LOAD >85%  
 TURN-ON TIME : @115 VAC WITH FULL LOAD < 2 SEC  
 HOLD-UP TIME : @115VAC WITH CONVECTION RATING >16MSEC

### ELECTROMAGNETIC COMPATIBILITY SPECIFICATIONS :

EMI CONDUCTED/RADIATED : FCC PART15 & CISPR22 & EN55022 CLASS B  
 DESIGNED TO MEET EN61000,-3-2,3-3,-4-2,-3,-4,-5,-6,-11  
 DESIGNED TO MEET THE FOLLOWING STANDARDS UL 60950, CUL 60950, TUV EN6090, CB, CE MARKED

### MECHANICAL SPECIFICATION



**LITONE (LTE) ELECTRONICS CO., LTD.**

Please visit our website <http://www.lte.com.tw> E-MAIL: [service@lte.com.tw](mailto:service@lte.com.tw) Tel:+886-2-26732512