



LTE195F AC/DC Switching Power Supplies

193W MULTIPLE OUTPUT (for TFT LCD-TVs)

INPUT SPECIFICATIONS :

VOLTAGE 90-132 VAC, UNIVERSAL
 FREQUENCY AUTO RANGING
 CURRENT 4.9 ARMS. MAX. @90VAC 193W LOAD
 3.4 ARMS. MAX. @132VAC 193W LOAD
 INRUSH SURGE CURRENT < 60A TYPICAL, COLD START @25°C, 115VAC

OUTPUT SPECIFICATIONS :

OUTPUT WATTAGE 193 WATTS MAX. (CONVECTION RATING)
 LINE REGULATION +/-1.0% TYPICAL
 LOAD REGULATION MAIN OUTPUTS +/- 3%, AUX. OUTPUTS +/- 3 % TYPICAL (NOTE2)
 NOISE & RIPPLE 1 % TYPICAL AT FULL LOAD (NOTE3)
 OVERSHOOT/UNDERSHOOT ±10% MAX. @ TURN-ON/ TURN-OFF



VOLTAGE (Vdc)	LOAD RANGE (A)			LINE REGULATION	LOAD REGULATION (NOTE 1)	RIPPLE & NOISE (NOTE 2)
	MIN	RATED	MAX/PEAK			
V1 +24V	0A	5.5A	--/--	±0.5%	23.28~24.72Vdc (±3.0%)	240mVp-p (1%)
V2 +24V	0A	2.5A	--/--		23.28~24.72Vdc (±3.0%)	240mVp-p (1%)
V3 +5VSB	0A	0.25A	--/--		4.85~5.15Vdc (±3.0%)	50mVp-p (1%)

Note : 1. Load regulation is tested at min. to 100% of rated load and other outputs are set at 50% of rated load.
 2. Peak-to-peak for rated load @115Vac ; Measurements with a 20MHZ bandwidth and terminated with a 10uF electrolytic capacitor in parallel with a 0.1uF ceramic capacitor.

ENVIRONMENTAL :

OPERATING TEMPERATURE : 0°C TO 40°C AMBIENT, DERATED EACH OUTPUT AT -2.5% 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 >80%
 TURN-ON TIME : @115 VAC WITH FULL LOAD < 3 SEC
 HOLD-UP TIME : @115VAC WITH CONVECTION RATING >16MSEC

ELECTROMAGNETIC COMPATIBILITY SPECIFICATIONS :

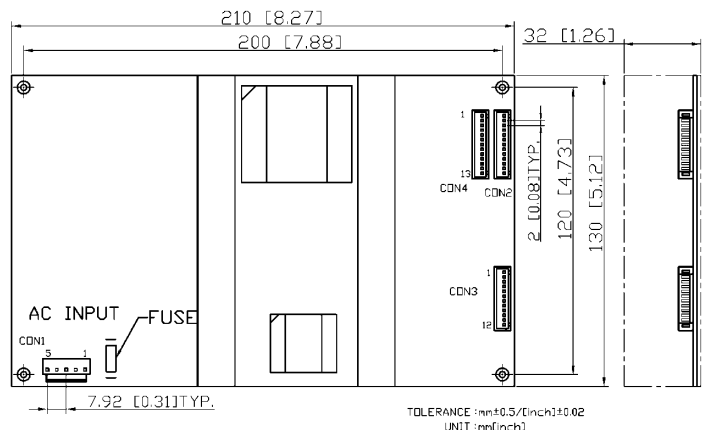
EMI CONDUCTED/RADIATED : FCC PART15 & CISPR 22 & EN55022 CLASS B
 DESIGNED TO MEET EN61000-3-3,-4-2,-3,-4,-5,-6,-8,-11
 DESIGNED TO MEET THE FOLLOWING STANDARDS UL 60950, CUL 60950, TUV EN60950, CB, CE MARKED

Connector Types & Pin Assignments

Connector Number	Connector Type	Connector Mating Type	Pin Number	Signal
CON1 (Input)	JST B5P-VH or Equivalent	JST VHR-5N or Equivalent	1 3 5	L N E
CON2,4 (Output)	JST, B13B-PH-K-S or Equivalent	JST, PHR-13 or Equivalent	1 ~ 7 8 ~ 13	+24V GND
CON3 (Output)	JST, B12B-PH-K-S or Equivalent	JST, PHR-12 or Equivalent	1 2 3~7 8~12	+5VSB ON/OFF GND +24V

MECHANICAL SPECIFICATION

I/O CONNECTORS : SEE TABLE



SAFETY STANDARD & QUALITY APPROVALS :

