

LTE238U AC/DC Switching Power Supplies

238W MULTIPLE OUTPUT (for TFT LCD TVs)

INPUT SPECIFICATIONS :

VOLTAGE	90-264 VAC, UNIVERSAL
FREQUENCY	AUTO RANGING
CURRENT	2.85 ARMS. MAX. @115VAC 238W LOAD
	1.42 ARMS. MAX. @230VAC 238W LOAD

OUTPUT SPECIFICATIONS :

OUTPUT WATTAGE	238 WATTS MAX. (AIR CONVECTION RATING)
LINE REGULATION	+/-0.5% TYPICAL
LOAD REGULATION	MAIN OUTPUTS +/- 3%, AUX. OUTPUTS +/- 3% TYPICAL (NOTE1)
NOISE & RIPPLE	1% TYPICAL AT FULL LOAD (NOTE2)
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	6.5A	±0.5%	23.28~24.72Vdc (±3.0%)	240mVp-p (1%)
V2	+18V	0A	4.0A		17.46~18.54Vdc (±3.0%)	180mVp-p (1%)
V3	+5VSB	0A	2.0A		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 CAP. in parallel with a 0.1uF ceramic Cap.

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% AND @230VAC 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 :

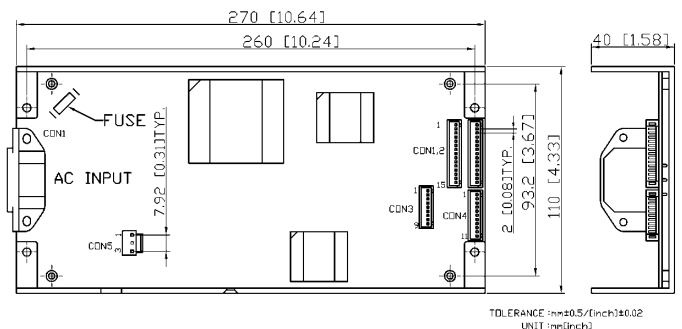
EMI CONDUCTED/RADIATED : FCC PART15 & CISPR 22 & EN55022 CLASS B
 DESIGNED TO MEET EN61000-3-2,3-3,-4-2,-3,-4,-5,-6,-8,-11
 DESIGNED TO MEET THE FOLLOWING STANDARDS UL 60950, CUL 60950, TUV EN60950, CB, CE MARKED

CONNECTOR TYPE & PIN ASSIGNMENTS

CONNECTOR NUMBER	CONNECTOR TYPE	CONNECTOR MATING TYPE	PIN NUMBER	SIGNAL
AC Inlet INPUT	Rong Feng , SS-7B-1-A-1 INLET or Equivalent	IEC 320-C15 standard plug type	Pin1 Pin2 Pin3	L E N
CON 3 OUTPUT	JST, B 9B-PH-K-S or Equivalent	JST , PHR-9 or Equivalent	Pin1~5 Pin6~9	+5VSB GND
CON1,2 OUTPUT	JST, B14B-PH-K-S or Equivalent	JST, PHR-15 or Equivalent	Pin1~5 Pin6 Pin7~11,15 Pin12~14 Pin13	+24V NC GND BRIGHT DPWON
CON4 OUTPUT	JST, B11B-PH-K-S or Equivalent	JST, PHR-11 or Equivalent	Pin1~5 Pin6~8 Pin9 Pin10 Pin11	+18V GND POWER ON BRIGHT DPWON

MECHANICAL SPECIFICATION

I/O CONNECTORS : SEE TABLE



SAFETY STANDARD & QUALITY APPROVALS :



TBD.



TBD.



TBD.



Q5954