

**LTE 30FS SERIES 30W SINGLE OUTPUT SWITCHING MODE POWER SUPPLY**

**INPUT / OUTPUT SPECIFICATION**

VOLTAGE: 100-240 VAC, Universal

FREQUENCY: 47-63

CURRENT: 1.5 ARMS. MAX @115 Vac 90W LOAD

INRUSH SURGE CURRENT: 30A TYPICAL, COLD START@25 Degree, 115Vac

OUTPUT WATTAGE: 26.4Watts ~65Watts MAX (Convection Rating)

LIND REGULATION: +/- 0.5 % Typical

LOAD REGULTION: Main Outputs +/- 5%, Aux Outputs +/- 10% Typical (Note1)

NOISE & RIPPLE: 1 % Typical At Full Load (Note2)

OVERLOAD / VOLTAGE PROTECTION: TYPICALLY 115~200% CONTINUOUS HICCUP MODE



All Safety Approval Applying

MODEL	VOLTAGE (VDC)	LOAD RANGE			LINE REGULATION	LOAD REGULATION	RIPPLE & NOISE	EFFICIENCY (%)
		MIN.	MAX	PEAK	(%)	(%)		Typically
LTE30FS-S0	3.3V	0A			±0.5%	3.201~3.399Vdc(±3%)	66mVp-p(2%)	
LTE30FS-S1	5V	0A			±0.5%	4.85~5.15Vdc(±3%)	75mVp-p(1.5%)	
LTE30FS-S1-1	9V	0A			±0.5%	8.73~9.27Vdc(±3%)	90mVp-p(1%)	
LTE30FS-S2	12V	0A			±0.5%	11.64~12.36Vdc(±3%)	120mVp-p(1%)	
LTE30FS-S3	15V	0A			±0.5%	14.55~15.45Vdc(±3%)	150mVp-p(1%)	
LTE30FS-S4	24V	0A			±0.5%	23.28~24.72Vdc(±3%)	240mVp-p(1%)	
LTE30FS-S4-1	30V	0A			±0.5%	29.1~30.9Vdc(±3%)	300mVp-p(1%)	
LTE30FS-S5	48V	0A			±0.5%	46.56~49.44Vdc(±3%)	480mVp-p(1%)	
LTE30FS-S6	36V	0A			±0.5%	34.92~37.08Vdc(±3%)	360mVp-p(1%)	

NOTE: 1. LOAD REGULATION TESTED AT 0 ~100% OIF MAX LOAD  
2. PEAK-TO-PEAK FOR 26.4W~65W (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 50°C AMBIENT, DERATED EACH OUTPUT AT 2.5% PER °C FROM 50°C TO 70°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 SPECIFICATION:**

TURN-ON TIME: 3SEC MAX AT FULL LOAD @ 115VAC

HOLD-UP TIME: 16MS TYPICAL AT FULL LOAD @ 115VAC

MTBF DEMOSTRATED: > 100,000 HOURS AT FULL LOAD AND 25 DEGREE AMBIENT CONDITIONAL

**ELECTROMAGNETIC COMPATIBILITY SPECIFICATIONS:**

EMI CONDUCTED/RADIATED: FCC & CISPR CLASS B

DESIGNED TO MEET EN61000-3-3,-4-2,-3,-4,-5,-6,-8,-11

**CONNECTOR TYPE & PIN ASSIGNMENTS**

CONNECTOR NO.	CONNECTOR TYPE	CONNECTOR MATING TYPE	PIN NUMBER	SIGNAL
CON2 INPUT	MOLEX 09-65-2038 OR EQUIVALENT	MOLEX 09-52-4034 OR EQUIVALENT	PIN1/PIN2/ PIN3	L / N / L
CON1 OUTPUT	MOLEX 09-65-2068 OR EQUIVALENT	MOLEX 09-52-4064 OR EQUIVALENT	PIN1~2 / PIN3~4	v+ / RTN



**Dimension: 2"x4"x0.96" mm (WxLxH)**

|| The safety approvals applying