

# LTE 45FSD SERIES 45W DUAL OUTPUT SWITCHING 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)
LINE REGULATION	+/- 0.5 % Typical
LOAD REGULATION	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
SHORT CIRCUIT PROTECTION	CONTINUOUS HICCUP MODE
OVERSHOOT/UNDERSHOOT	5% MAX, @ Turn-On / Turn-Off

MODEL	VOLTAGE (VDC)		LOAD RANGE			LINE REGULATION (%)	LOAD REGULATION (%)	RIPPLE & NOISE	EFFICIENCY
			MIN.	MAX	PEAK				
LTE45FS-D12	V1	+5V	0.4A	3.2A	5.0A	±0.5%	4.85~5.15Vdc (±3%)	75mVp-p(1.5%)	75 (%)
	V2	+12V	0.2A	2.0A	2.5A	±0.5%	11.4~12.6Vdc(±5%)	120mVp-p(1%)	
LTE45FS-D14	V1	+5V	0.4A	3.2A	5.0A	±0.5%	4.85~5.15Vdc (±3%)	75mVp-p(1.5%)	75 (%)
	V2	+24V	0.2A	1.0A	1.5A	±0.5%	22.8~25.2Vdc(±5%)	240mVp-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 DEMONSTRATED: > 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 / NG /NL
CON1 OUTPUT	MOLEX 09-65-2068 OR EQUIVALENT	MOLEX 09-52-4064 OR EQUIVALENT	PIN1 / PIN 2-3	V2 / V1
			PIN 4-5 / PIN 6	RTN / V3

**MECHANICAL DRAWING : 2"x4"x1.02" (WxLxH)**

