

LTE 90S SERIES 90W SINGLE OUTPUT SWITCHING MODE POWER

INPUT / OUTPUT SPECIFICATION



VOLTAGE
FREQUENCY
CURRENT

90-264 VAC, Universal
47-63

INRUSH SURGE CURRENT
OUTPUT WATTAGE
LINE REGULATION
LOAD REGULATION
NOISE & RIPPLE
OVERSHOOT/UNDERSHOOT

1.2 ARMS. MAX @115 Vac 90W LOAD
0.6ARMS. MAX @230 Vac 90W LOAD
30A TYPICAL, COLD START@25 Degree, 115Vac
90 Watts MAX (Convection Rating)
+/- 1.0 % Typical
Main Outputs +/- 5%, Aux Outputs +/- 10% Typical (Note1)
1 % Typical At Full Load (Note2)
5% MAX, @ Turn-On / Turn-Off

MODEL	VOLTAGE (VDC)	LOAD RANGE		LINE REGULATION (%)	LOAD REGULATION (%) (NOTE 1)	RIPPLE & NOISE (mVp-p)(NOTE2)
		MIN.	RATED			
LTE90S-S1	5V	0A	12A	±0.5%	4.84~5.15VDC(±3%)	50mVp-p(2%)
LTE90S-S2	12V	0A	7.5	±0.5%	11.64~12.36VDC(±3%)	120mVp-p(1.5%)
LTE90S-S4	24V	0A	4A	±0.5%	23.28~24.72VDC(±3%)	240mVp-p(1%)
LTE90S-S5	48V	0A	2A	±0.5%	46.56~49.44VDC(±3%)	480mVp-p(1%)

NOTE: 1. LOAD REGULATION IS TESTED AT 0 TO 100% OF RATED LOAD
2. PEAK-TO-PEAK FOR 90W(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:

EFFICIENCY : > 80% TYPICAL AT FULL LOAD
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 / NC / L
CON1 OUTPUT	MOLEX 09-65-2068 OR EQUIVALENT	MOLEX 09-52-4064 OR EQUIVALENT	PIN4-5 / PIN1-3	12V / RTN

MECHANICAL DRAWING (5"x3"x1.5")

