LCT43-E Series

47 Watts

Total Power: **47 Watts**
Input Voltage: **85 - 264 VAC**
120 - 300VDC
# of Outputs: **Triple**

RoHS 2002/95/EC

Special Features

- Totally enclosed
- Universal input
- Quick Installation
- Built-in EMI filter
- Low output ripple
- Overvoltage protection
- Overload protection

Safety

VDE	0805/EN60950 21310-3336-0003
UL	UL60950 E186249
CSA	CSA 22.2-234 -950-95-M90
CB	Certificate and report 6593
CE	Mark (LVD)

Electrical Specifications

Input	
Input range	85 - 264 VAC (wide range) 120 - 300VDC
Frequency	47-63 Hz
Inrush current	<20A peak @ 115VAC, <40A peak @ 230VAC cold start @ 25°C
Input current	1A max. (RMS) @ 115VAC
Efficiency	70% typical at full load
EMI filter	FCC Class B conducted and radiated; CISPR 22 Class B conducted and radiated; EN55022 Class B conducted and radiated Bellcore GR-1089-core Class B conducted
Safety ground leadage current	<3.5 mA @ 50/60 Hz, 264 VAC input

Output	
Maximum power	47W with 12CFM forced air
Cross regulation	±2% on output 1; ±5% on outputs 2, 3
Hold-up time	10ms @ 47W load, 100VAC input
Overload protection	Short circuit protection on all outputs. Case overload protected @ 110-135% above peak rating
Overvoltage protection	5.50-6.75 VDC on main output

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Environmental Specifications

Operating temperature:	0° to 50°C ambient derate each output as 2.5% per degree from 50° to 70°C
Storage temperature:	-40°C to +85°C
Temperature coefficient:	±.04% per °C
Electromagnetic susceptibility:	designed to meet IEC1000-4; -2, -3, -4, -5, -6, -8, -11 Level 3
Humidity:	Operating; non-condensing 5% to 90%
Vibration:	.41G from 3 to 500Hz; Spectral break points of .0065 G2/Hz at 10 Hz and 200 Hz and 5 db/octave roll off at each end, 2 hours per axis
MTBF demonstrated	>300,000 hours at full load and 25°C ambient conditions

Ordering Information

Model Number	Output Voltage	Minimum Load	Maximum Load with Convection Cooling	Maximum Load with 12CFM Forced Air	Peak Load[1]	Regulation[2]	Ripple P/P (PARD)[3]
LCT43-E	+5V	1.0A	4A	7A	8A	+4/-2%	50mV
	+12V	0.1A	1A	1.2A	1.5A	±5%	120mV
	-12V	0A	0.5A	0.5A	0.6A	±5%	120mV

1. Peak current lasting <30 seconds with a maximum 10% duty cycle.
2. At 25°C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
3. Peak-to-peak with 20 MHz bandwidth and 10 µF (tantalum capacitor) in parallel with a 0.1 µF capacitor at rated line voltage and load ranges.

Mechanical Drawing

Mating Connectors

AC Input: IEC 320

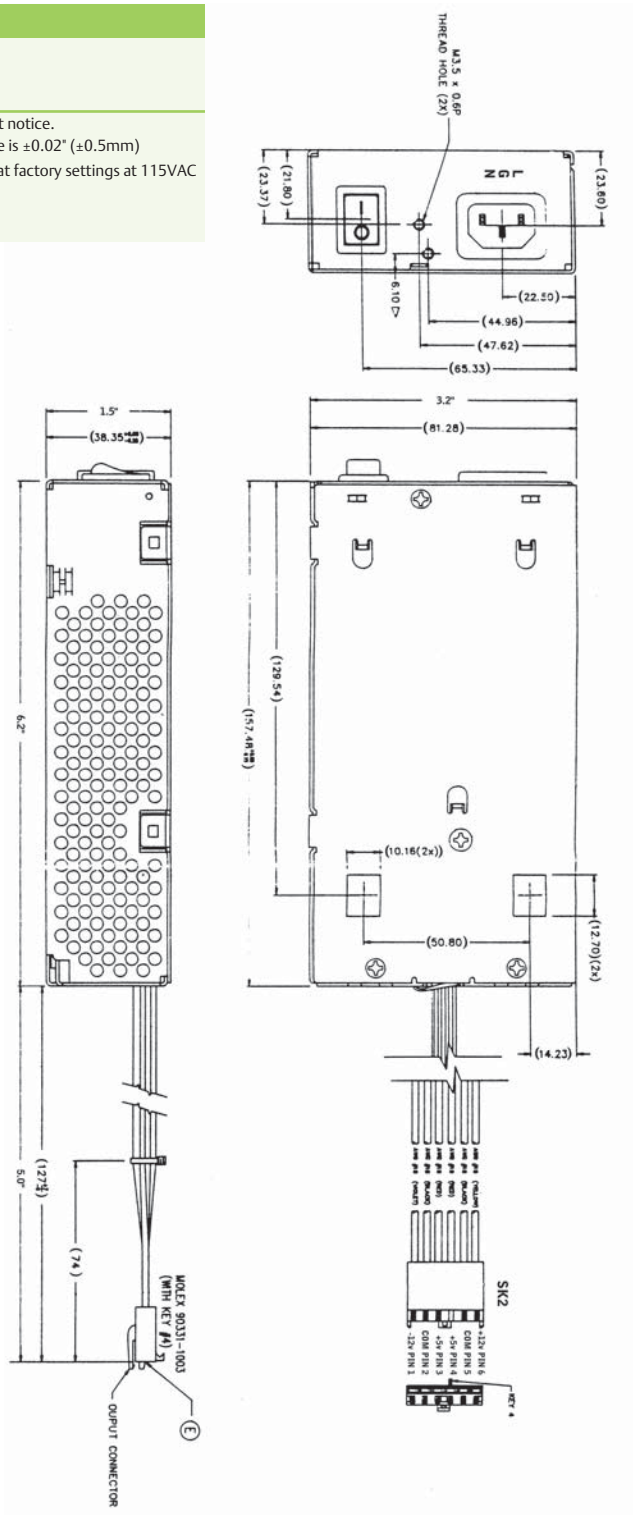
DC Outputs: Molex 15-48-0406 (USA)

Notes:

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is ±0.02" (±0.5mm)
3. Specifications are for convection rating at factory settings at 115VAC input 25ºC unless otherwise stated
4. Warranty: 1 year
5. Weight: 1.25lbs/0.57kg

Pin Assignments

Connector	LCT43-E
SK1-1	AC Line
SK1-2	Ground
SK1-3	AC Neutral
SK2-1	-12V
SK2- 2	Com
SK2- 3	+5V
SK2-4	+5V
SK2-5	Common
SK2-6	+12V



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