47 Watts LCT43-E Series

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

Electrical Specs

Special Features

Input Input range

Frequency Inrush current

Input current Efficiency EMI filter

Safety ground

Output

leakage current

Maximum power

Cross regulation

Hold-up time

85-264 VAC 120-300 VDC 47-63 Hz <20 A peak @ 115 VAC; <40 A peak @ 230 VAC, cold start @ 25°C 1 A max. (RMS) @ 115 VAC 70% typical at full load 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

<3.5 mA @ 50/60 Hz, 264 VAC input

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

Overvoltage protection

Overload protection

 Safety

 VDE
 0805/EN60950 (IEC950)
 21310-3336-0003

 UL
 UL1950
 E186249

 CSA
 CSA 22.2-234 -950-95-M90
 E186249

 CB
 Certificate and report
 6593

 CE
 Mark (LVD)
 E186249

Universal inputQuick Installation

• Built-in EMI filter

• Totally enclosed

- Low output ripple
- Overvoltage protection
- Overload protection

Environmental

Operating temperature: 0° to 50°C ambient; derate each output at 2.5% per degree from 50° to 70° C

Electromagnetic susceptibility: designed to meet IEC 1000-4, -2, -3, -4, -5, -6, 8, 11 Level 3

Humidity: Operating; non-condensing 5% to 90%

Vibration: .41 G from 3 to 500 Hz 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

Storage temperature: -40° to 85°C

Temperature coefficient: ±.04% per °C

MTBF demonstrated: >300,000 hrs @ full load and 25°C ambient conditions



AMERICAS 5810 Van Allen Way

Carlsbad, CA 92008 Telephone: 760-930-4600

Facsimile: 760-930-0698

EUROPE

Astec House, Waterfront Business Park

Merry Hill, Dudley

West Midlands, DY5 1LX, UK Telephone: 44 (1384) 842-211

Facsimile: 44(1384) 843-355

Units 2111-2116, Level 21 Tower1, Metroplaza 223, Hing Fong Road Fwai Fong, New Territories

ASIA

Fwai Fong, New Territories Hong Kong Telephone: 852-2437-9662 Facsimile: 852-2402-4426

> M3.5 × 0.6P THREAD HOLE (2X)

> > -(23.60)-



Ordering Information

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

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 μ F in parallel with a 0.1 μ F capacitor at rated line voltage and load ranges.

4. Minimum Loads are required.

Pin Assignments

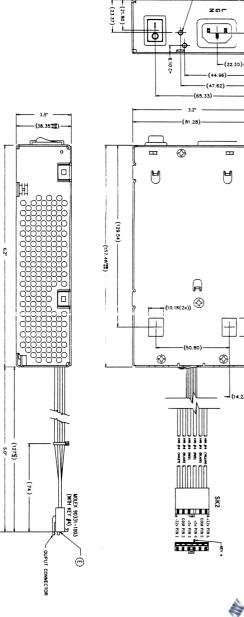
Connector	LCT43-E		
SK1-1 SK1-2 SK1-3	AC Line Ground AC Neutral		
SK2-1	-12 V		
SK2-2	Com		
SK2-3	+5 V		
SK2-4	+5 V		
SK2-5	Com		
SK2-6	+12 V		

Mating Connectors

AC Input: IEC 320 DC Outputs: Molex 15-48-0106 (USA)

Notes:

- 1. Specifications subject to change without notice.
- 2. All dimensions in inches (mm), tolerance is ±.02".
- Specifications are for convection rating at factory settings at 115 VAC input,
 - 25°C unless otherwise stated.
- 4. Warranty: 1 year
- 5. Weight: 1.25 lb. / 0.57 kg



LCT43-E Series

(12.70)(2×)