

Date 9-15-16

DC to DC STEP DOWN Converter, 400W, 24v to 12v

Part Number: LS03-05000-400

Current Revision: Rev-2

Specification:

1. Input Voltage (nom.): 25.5v DC
2. Input Voltage Range: 22 - 32v DC
3. Input Current (max.): 16.50 Amp
4. Output Current: 30 Amps at 13.8 vdc, (415 watts)
5. Efficiency: 89% min, 24vdc at full load.
6. Regulation: Line-Load = .01 vdc
7. Ripple: 50mV RMS
8. Turn on delay: 1 Second max at 24vdc.
9. Over Current Protection: Current limits: 110-140% of output current, auto-reset.
10. Short Circuit Protection: Circuit provides short circuit protection.
11. Over-Under Voltage Protection: Output is protected against over-under voltage.
12. Mechanical Enclosure: 7.0W x 8.0L x 3.750H, Material: Aluminum
13. Connector: Terminal Strip (3) Pins
14. Pin Assignment: Pin 1= Vin+ Pin 2 = GRD – Pin 3 = Vout
15. Weight: 5 lbs.
16. Operating Temp: -40C to +50C
17. Storage Temp: -40C to +60C
18. Operating Humidity: 5% to 90% RH
19. Storage Humidity: 5% to 95% RH
20. Vibration: Frequency: 5 to 50 hz
21. MTBF = 50,000 hrs
22. Label: TOP SIDE
23. FAA TSO: pending
24. COTS: Dc Converter STEP DOWN
25. Mil STD 810: Humidity, Shock, Vibration