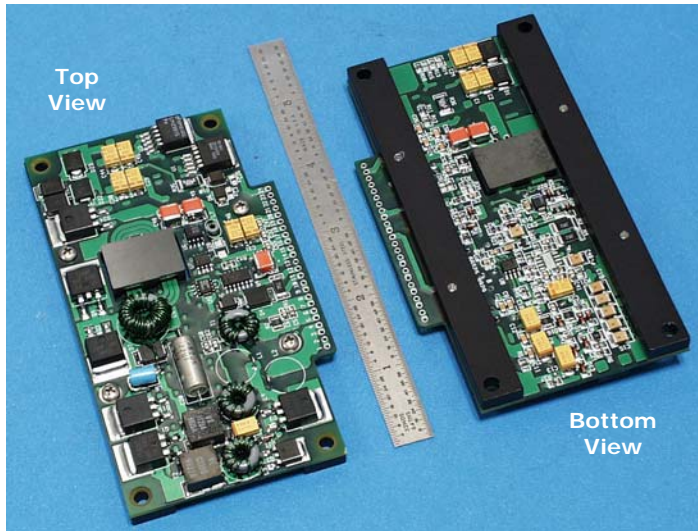


PSL99004 Low Voltage Power Supply



DESIGN FEATURES

- DC-DC Converter
- Dual Diode OR'ed Inputs, MIL-STD-704 and Battery
- EMI Filter meets MIL-STD-461
- 40 Watts Continuous
- 60 Watts Peak
- -55°C to +85°C
- Hold-up Circuit for External Capacitor

Electrical Specifications

Input Voltage Range 16 to 42 VDC
 Input Transient Operation..... 13 to 80 VDC

Output Voltage and Current: *

1 each +5 VDC @ 4 A, nom., 8 A pk
 1 each +15 VDC @ 0.5 A, nom., 1.5 A pk
 1 each -15 VDC @ 0.5 A, nom., 1.0 A pk
 2 each +15 VDC @ 0.2 A, isolated voltages for
 operation in series (± 30 VDC) or parallel (± 15 V@0.4A)

* Voltages can be tailored for different operation
 (1.5 to 48 VDC)

Ripple:

3 primary outputs < 50 mVpp
 2 isolated outputs < 200 mVpp

Regulation (line, load, temperature):

3 primary outputs $\pm 3\%$
 2 isolated outputs $\pm 10\%$

Mechanical Characteristics

Stand alone PWB. Optional packages available.
 Dimensions 5" x 2.5" x .64"
 Weight < 160 grams

Environmental Specifications

Operating Temperature -55°C to +85°C
 Operating Altitude 50,000 ft.
 Random Vibration..... 15g rms
 Shock..... 150 g
 Salt Fog..... 5%
 Humidity to 100%.