

PSL99020 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
- 35 Watts Continuous
- 50 Watts Peak
- -55°C to +85°C

Electrical Specifications

Input Voltage Range 20 to 30 VDC
 Input Transient Operation..... 16 to 80 VDC

Output Voltage and Current: *

+3.3 VDC @ 2.0 A, nom., 2.7 A pk
 +5 VDC @ 2.4 A, nom., 3.0 A pk
 +15 VDC @ 0.65 A, nom., 1.4 A pk
 -15 VDC @ 0.16 A, nom., 0.27 A pk

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

Ripple:

4 primary outputs < 50 mVpp

Regulation (line, load, temperature):

4 primary outputs ±3%

Mechanical Characteristics

Dimensions 6.27" x 3.20" x .79"
 Weight <1 lb.

Environmental Specifications

Operating Temperature -55°C to +85°C
 Operating Altitude 50,000 ft.
 Random Vibration..... 15g rms
 Shock.....40 g
 Salt Fog..... 5%
 Humidity to 100%.