Behlman’s 94050 COTS power supply is a highly reliable, switch mode units built for high-end industrial or MIL applications. The 94050 can accept a wide range Dual DC input IAW MIL-STD-704E and can supply a variety of DC outputs. This rugged power supply is built to support the rigor of airborne applications in an Unmanned Aerial Vehicle (UAV).

**INPUT**

**Dual Input**
- 22-29 VDC IAW Mil-STD-704E (Host Power)
- 16-29 VDC (Battery Power)

**OUTPUTS**

**Voltage/current:**
- 5.50 VDC @ 1.45 A (4.1 A peak)
- 5.00 VDC @ 2.35 A (3.5 a peak)
- 9.00 VDC @ 0.08 A
- Prime Pwr @ 1.73 A (2.73 A peak) See Note
- 5.20 VDC @ 0.15 A (0.3 A peak)

Note: Depends on input voltage (16-29 VDC)

- Load Regulation: 1.0% Maximum (0-100%)
- Line Regulation: 0.2% Maximum
- PARD-Ripple & Noise: 200 mV (0-10Mhz)
- Current Limit: Short circuit and over-current protected.
- Efficiency: 85% typical

**GENERAL CHARACTERISTICS - see O&C drawing 23088**

- Non-Isolated outputs
- Dimensional Data: See Outline & Connection dwg.23088
- Weight: 0.45 lbs
- Input/Output: J1, J2 & J3. See Outline & Connection dwg.23088

**ENVIRONMENTAL:**

- Operating Temperature: -40 to +60 degrees C
- Storage Temperature: -32 to +60 degrees C

**Designed to meet the following MIL Standards**

- Shock: MIL-STD-810
- Vibration: MIL-STD-810
- Humidity: MIL-STD-810
- EMI/EMC: MIL-STD-461