

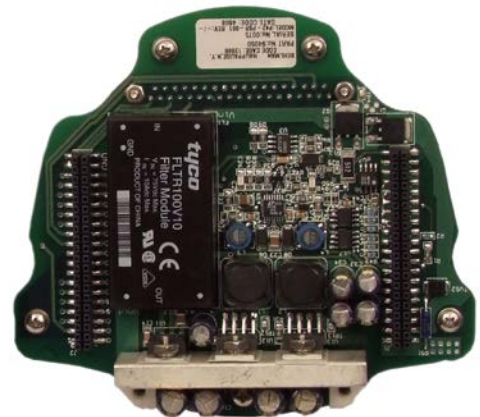
### P/N 94050

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



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