

DCL150D-1-(5,1.25)-(12,1.25) MODEL 94019-3

Behlman's 94019 COTS Dual Output power supply is a low cost, highly reliable, switch mode units built for high-end industrial or Military applications. The 94019 can accept a single phase 115 VAC, 400 Hz input and can supply a variety of DC outputs. These rugged power supplies are built to support the rigor of airborne, shipboard and mobile applications, and designed to meet the input power requirements of MIL-STD-704 and RTCA-DO160. Unit is Base Plate cooled.

INPUT

115 VAC +/- 20%, 360-440 Hz
Input Transient protection per Mil-STD-704

OUTPUT:

1. 5 VDC @ 1.25A
 2. 12 VDC @ 1.25 A
- Load Regulation:** 1.0% no load to full load at nominal line.
Line Regulation: 0.1% for 10% line change.
PARD-Ripple & Noise: 1% of output voltage p-p maximum. (20 MHz bandwidth)
Short circuit protection: Output voltage drops to less than 1 volt, with automatic recovery
Current Limit: Constant current limited to 130% of rated current
Efficiency: 75%.



GENERAL CHARACTERISTICS

Isolation
Input to Output: 1000 VDC
Input to Case: 1000 VDC
Output to Case: 200 VDC
Dimensional Data: 4.87"L X 3.52"W X .84"H; +/- .02"
Weight: 13 oz.
Input/Output: DB 15 connector

ENVIRONMENTAL:

Operating Temperature: -40°C to 100°C base plate cooled
Storage Temperature: -40°C to 125°C
MTBF 825,000 @ 25 Degrees C base plate, Ground benign

Designed to meet the following MIL Standards

Shock: MIL-S-901; MIL-STD-810C
Vibration: MIL-STD-167; MIL-STD-810C; RTCA/DO-160
Humidity: MIL-STD-810C
EMI/EMC: MIL-STD-461C/D; RTCA/DO-160. RE102 with proper shielding.

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