

### 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.



[www.behlman.com](http://www.behlman.com)

**ORBIT POWER GROUP**  
**Behlman Electronics**

Headquarters:  
80 Cabot Court, Hauppauge, NY 11788  
631 435-0410 800 874-6727  
Fax: 631 951-4341

[sales@behlman.com](mailto:sales@behlman.com)

