Behlman Power Products

COTS POWER SUPPLY

Model: LPS-505
P/N 94029

Behlman’s LPS505 series of COTS power supplies are low cost, highly reliable, low noise linear supply built for high-end industrial or MIL applications. The LPS505 is designed for shipboard operation with an isolated AC delta input per MIL-STD-1399. These rugged power supplies are built to support the rigors of shipboard and mobile applications and designed to meet the input power transients of MIL-STD-1399. Units are Base Plate cooled.

INPUT

115 VAC, 3 phase delta, 60 Hz
Maximum input power 100W
Input: Per Mil-STD-1399 300B

OUTPUT(S):

Output 1  +5VDC +.15/-1V @ 1.3A
Output 2  +15VDC +/-0.3V @ 1.4A
Output 3  -15VDC +/-0.3V @ 1.1A
Output 4  +40VDC +0.8/-0.7V @ 0.1A
Output 5  -40VDC +0.8/-0.7V @ 0.1A
PARD-Ripple & Noise: 20mvp-p
Current Limit: Short circuit and over-current protected.
Efficiency: 41% minimum.

GENERAL CHARACTERISTICS

Isolation
Input to Output: 1000 VDC minimum
Input to Case: < 1.0ma @ 900 VAC
Output to Case: < 1ua @ 100 VDC
Dimensional Data: 9.42”L X 5.12”W X 4.188”H
J1- Input: MS3102R-14S-2P
J2- Output: M24308-2-3P

ENVIRONMENTAL:

Operating Temperature: -40 to +65 degrees C Base Plate
Storage Temperature: -40 to + 100 degrees C

Designed to meet the following MIL Standards
Shock: MIL-S-901; MIL-STD-810
Vibration: MIL-STD-167; MIL-STD-810; RTCA/DO-160
Humidity: MIL-STD-810

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