

## DO 160G COMPLIANT DUAL REDUNDANT 68W POWER SUPPLY MODULE

### Overview

Power supply board is having isolated 3 outputs with redundant power supply and hold up capacitor.

### Key Features

- 68W main and redundant power supply
- Converts 14V DC to nominal DC outputs (+/- 5V DC, +/- 8V DC)
- Efficiency >85%
- Dual Fan driver
- 2kV isolation between input and outputs

### Dimension

189mmx145.58mmx21.65mm

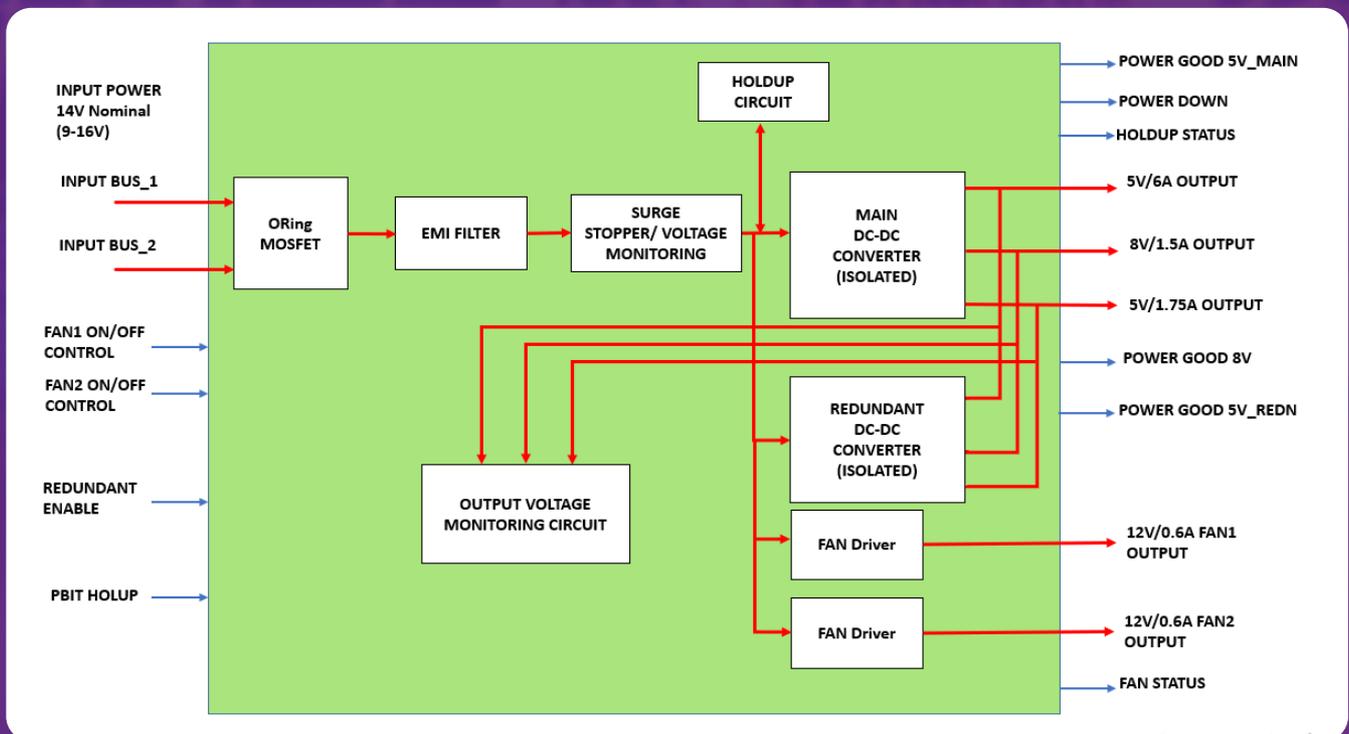
### Weight

415g

## Technical Specifications

- 3 Isolated outputs of 5V/6A, 8V/1.5A and 5V/1.75A
- Current controlled Push Pull topology for isolation
- Input requirements as per the DO-160G for 14V DC
- Efficiency greater than 85%
- Holdup time greater than 50ms
- ORing input circuit for Dual aircraft input supply
- Dual Fan driver circuit for 12V 0.6A and Fan tacho status output
- Ripple output less than 1%
- Line and load regulation less than 5%
- Meeting EMI/EMC requirements as per the DO-160G
- Input over current over voltage and under voltage protection
- BITE outputs for monitoring health of the board
- ROHS complaint

## Block Diagram



## Benefits

- Overall "Low cost of ownership" to the customer due to
- Compact power supply module for aircraft application
  - Includes the holdup capacitor inbuilt on the board
  - Inbuilt EMI/EMC filter

## Our USP

- Triple output with good power quality
- Redundant converter with power good signals

## Case Reference

- Good efficiency
- ROHS complaint

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