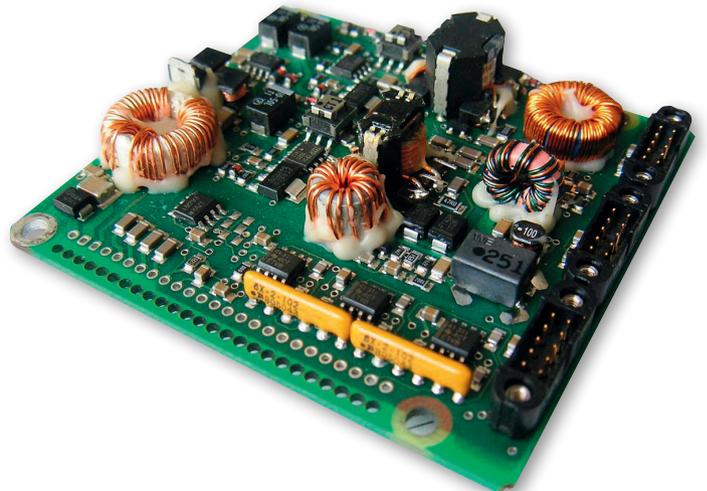


## DC/DC converter for gyros in helicopters

The operating conditions for this converter require that it withstand very strong vibrations. To achieve this, we joined together all major components with powerful adhesive and coated the entire circuit board with varnish. Another important factor is the very good output voltage filter. The converter works with two independent converters, allowing for a higher fail security of the system. Our team integrated high-speed amplifiers developed by our customer in the unit.



### Features

- Very low noise outputs
- Low ripple < 1 m VRMS
- Low Spikes < 10 m VPP
- High speed amplifiers on board
- Temperature range from -25°C to 85°C
- Convection cooling
- Three outputs (5 VDC, +15 VDC, -15 VDC)
- Conform to MIL-STD-461E standard
- Ruggedized version
- Conformal coated
- Load dump protection
- Independent operating converters

### Input

- 15-33 VDC

### Output 21 W

- + 5 VDC / 1.2 A
- +15 VDC / 0.5 A
- -15 VDC / 0.5 A

### Dimensions

- 70 x 74 x 19.1 mm (DxWxH)

### About Powerbox

Founded in 1974, with headquarters in Sweden and operations in 15 countries across four continents, Powerbox serves customers all around the globe. The company focuses on four major markets - industrial, medical, transportation/railway and defense - for which it designs and markets premium quality power conversion systems for demanding applications. Powerbox's mission is to use its expertise to increase customers' competitiveness by meeting all of their power needs. Every aspect of the company's business is focused on that goal, from the design of advanced components that go into products, through to high levels of customer service. Powerbox is recognized for technical innovations that reduce energy consumption and its ability to manage full product lifecycles while minimizing environmental impact.

### For more information

Visit [www.prbx.com](http://www.prbx.com)