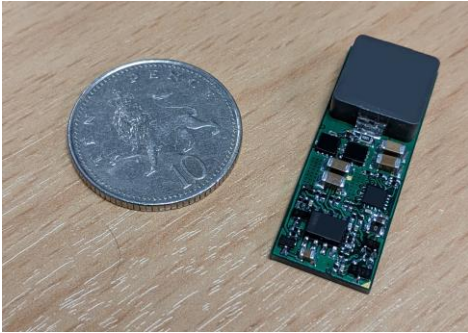


# Ag7010

V1.2  
June 21

## High power, Non-isolated, DC-DC Converter Module



- **Input Voltage Range 6Vdc - 26Vdc**
- **Adjustable output voltage in the range 3Vdc - 12Vdc**
- **High power 120W, 10A output**
- **Non-isolated**
- **High Efficiency DC/DC Conversion**
- **Low Noise/Ripple**
- **PMbus (I<sup>2</sup>C) control & monitoring**
- **Under Voltage Lock Out**
- **Short Circuit & Thermal Protection**
- **Industrial Temperature Range**  
-40°C to +85°C
- **Low Profile SMT package -**  
37mm(L) x 14mm(W) x 7mm(H)
- **Simple to implement, easy to use**

The Ag7010 module is a high power Buck Converter Module optimised to work with USB-C (PD) voltages (9V/15V or 20V). It is a non-isolated product with a single, low noise, low ripple output capable of delivering 120W @ 10A.

Conversion efficiency is typically 95% providing an energy efficient means of deriving the desired output voltage.

The module is ideal for applications including Monitors/TV's, Bluetooth Speakers, Gaming Consoles, 2D & 3D

Scanners and Printers, Routers, Network Switches and Modems.

Other applications include as an end-point converter for distributed 12/24V for cameras, monitoring systems and industrial applications.

The Ag7010 incorporates over-current/short circuit and thermal protection. Access to an on-board PMbus (I<sup>2</sup>C) interface allows intelligent control and monitoring of the supply. An Under Voltage Lock Out feature ensures that the module does not incur damage from 'out of range' input voltages.

The Ag7010 is supplied in an extremely compact, lead-less packaging format, designed to be surface-mounted thereby enabling efficient heat transfer.

The Ag7010 is a flexible, simple to use DC/DC Buck Converter solution providing an efficient means of deriving a stable, high power, low noise supply to your product. Coupled with intelligent control and monitoring the Ag7010 provides cost-effective, feature-rich functionality.

To register interest, more information and samples contact your local Silvertel Authorised Distributor – details available at [www.silvertel.com](http://www.silvertel.com) under the "World Sales & Contact" tab.