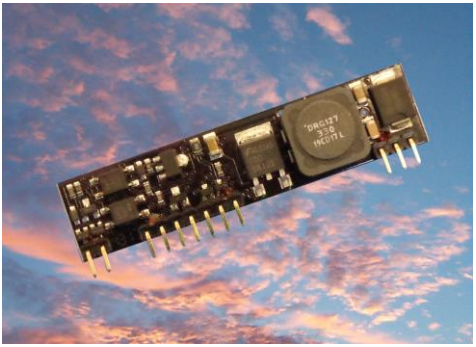
Ag201

Low Voltage DC Programmable LED Driver



- **Low Voltage DC LED Driver Module**
- **Wide Input DC Voltage Range - 12V to 57V**
- **Programmable Output Current - 350mA, 500mA, 700mA, 1A**
- **Digital PWM Dimming**
- **Flicker Free Dimming (1.25KHz)**
- **Maximum Power Output 24W**
- **String (o/p) voltage from 2V to 34V**
- **Over and Under Voltage Protection**
- **No Electrolytic Capacitor required**
- **DALI control built in**
- **Buck-Boost topology**
- **Simple integration**

The Ag201 module from Silvertel is an extremely versatile, low voltage DC input LED driver module. With modern trends towards DC power distribution in LED lighting, this new module allows designers to improve efficiency and control of their lighting networks. Its' wealth of features are all delivered in a tiny package, with a maximum of flexibility.

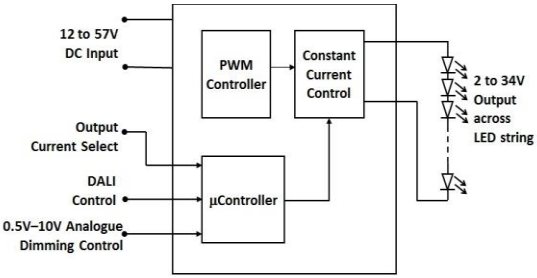
Multiple values of programmable constant current output allow connection with a huge variety of LEDs. In addition, for maximum flexibility the modules Buck-Boost DC-DC converter topology means the input voltage can be either higher or lower than the string (output) voltage, allowing for ease of design with a wide range of DC input voltage and LEDs.

Flexible and powerful control is built in with both full DALI control and analogue dimming inputs available.

The simple addition of an external program resistor sets the module output current from the preset range. No other additional components are required to complete the design. With no external electrolytic capacitors necessary, the Ag201 has long lifetime and reliability at the core of its design.

Amazingly, all this functionality is delivered in a package measuring just 61mm x 14mm x 10mm. Future options will include an easy to wire packaged module for installers.

Ag201 has been designed as an easy to program modular solution that is very simple to design in to a wide variety of applications by virtue of its wide input voltage range, flexible output current capabilities and comprehensive control features.



Ag201 Block Diagram