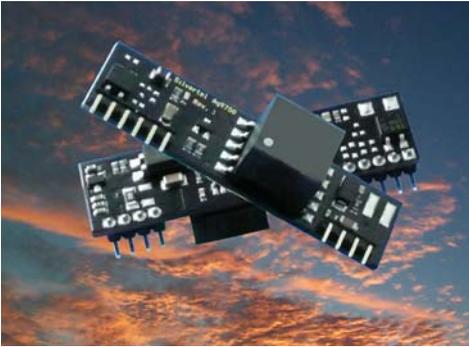


Ag9724-FL

V1.0
July 14

Low Cost Fully Featured PoE module for the PD



- **IEEE802.3af compliant POE**
- **Small SIL package**
56mm(L)x18mm(W)x14mm(H)
- **Low output ripple and noise**
- **Class Programming**
- **Industrial temperature range**
- **Overload, thermal and short-circuit protection**
- **Wide input voltage range**
- **24V o/p version of the Ag9700-FL**
- **1500V isolation (input to output)**
- **Integral DC/DC converter**
- **Simple integration**

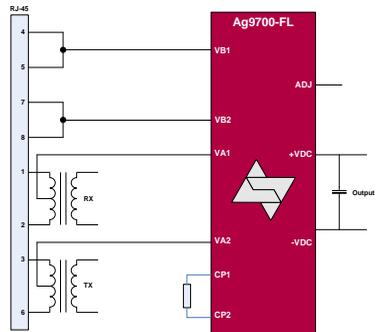
Silvertel's Ag9724-FL is a fully featured PoE PD module designed as a high performance low cost alternative to the Ag9424-2BR. The module conforms to the IEEE802.3af Power-over-Ethernet standard, extracting power from a twisted pair Cat 5 Ethernet cable. This complete solution provides 1.5kV isolation, PoE signature, integral DC/DC converter and allows the power classification to be set. Ag9724-FL provides a complete solution using just one extra low cost component.

Ag9724-FL will accept power from either the spare or data pair of the Ethernet cable, enabling the device to be powered from mid- or end-span PSEs.

The integrated optimised DC/DC converter operates over a wide input voltage range providing a high efficiency, regulated, very low ripple output. In addition: overload, over temperature and short-circuit protection is included. This 24V output module is an addition to the existing Ag9700-FL series 3.3V, 5V and 12V versions. The module output is easily adjusted using a simple pull up/down resistor.

The Ag9724-FL also includes on-board diode bridges and POE signature diode circuitry for full IEEE PoE compatibility. This signature is required by the Power Sourcing Equipment (PSE) before it will provide power to the port. The module will operate over the industrial temperature range with an ambient of -40°C to +85°C.

Ag9724-FL is ideal as a cost effective solution for POE applications e.g. Access control, home automation products and WAPs.



Power & Telecom Module Solutions

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