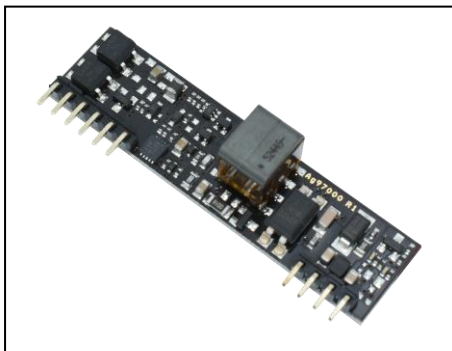


Ag97000-FL

V1.1
April 2025

Fully Featured IEEE802.3af PoE Module for the Powered Device (PD)



- **Designed and Manufactured in the UK**
- **Over 40% Lighter in Weight**
- **Fully Featured and Cost optimised IEEE802.3af PoE Module**
- **Single-sided Module Design**
- **Small Single-In-Line (SIL) package**
56mm (L) x 14mm (H) x 11mm (D)
- **Class Programmable**
Default Class 0/3
- **Industrial Temperature Range (-40C to +85C)**
- **Overload & Short-Circuit Protection**
- **Thermal Protection**
- **5V, 12V or 24V Output Options**
- **1500V Isolation (Input to Output)**
- **Integral DC/DC Converter**
- **Fully integrated diode bridges**

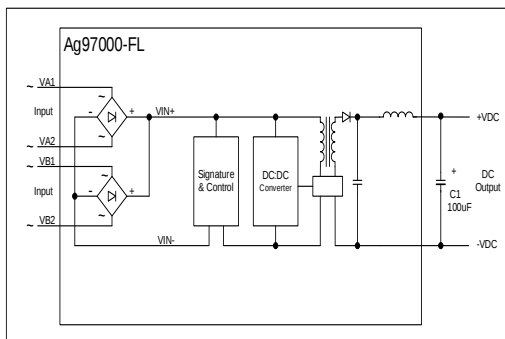
Silvertel's new Ag97000-FL series are pin for pin compatible with the popular Ag9700 product family and will come fully featured as standard.

This cost-optimised PoE PD module family is designed to extract power from a conventional twisted pair Category 5 Ethernet cable and conforms to the IEEE802.3af Power-over-Ethernet (PoE) standard.

The total solution includes 1.5kV isolation, PoE signature and integral DC/DC converter. The module can be Class-programmed for lower power applications.

The module has enhanced protection features and on-board diode bridges fitted, and requires only minimal, low-cost components to enable a fully functional PoE PD solution.

The integrated, optimised DC/DC converter operates over a wide input voltage range providing a high efficiency regulated output. There are three nominal output voltage options; 5V, 12V and 24V which can be easily adjusted using a simple pull up/down resistor.



Power and Analogue Solutions

<http://www.silvertel.com/>

 **Silvertel**

Note: The device specifications are based on preliminary data and are subject to change. Contact Silvertel for the latest information.