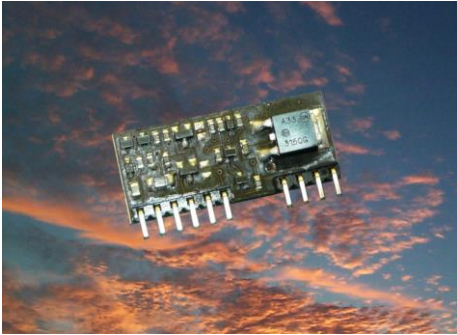


Ag5500-FE

V1.0
September 17

PoE Signature Module for LED Lighting and POE Repeaters



- 60W POE PD Front End Module
- IEEE802.3af compliant signature
- Small size- 33(L) x 14(H) x 7(D)mm
- Power received on all 4 pairs
- Input voltage range 37V to 57V
- Output Voltage range 37V to 57V
- Very High Efficiency
- Minimal external components
- Simple integration

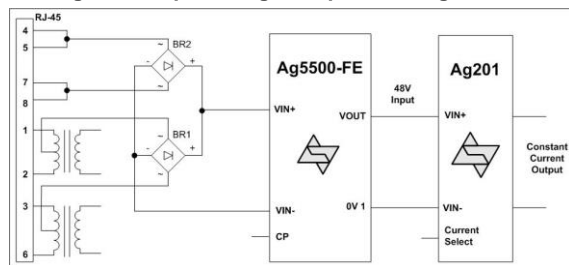
Silvertel's Ag5500-FE is a Power over Ethernet (POE) module used to extract up to 60 Watts of output power from a connected CAT5 cable. Connected DC voltage is passed through the module directly without further power conversion. It has a very small overall size – just 33mm x 14mm x 7mm in a SIL package.

Ag5500-FE will accept power from a compatible PSE, including Silvertel's Ag6100 and Ag6110. It conforms to the IEEE802.3af standard for signature recognition and class programming.

The module confirms POE signature and class to a PSE and simply passes the unregulated DC input to a single output, with no DC/DC conversion.

Ag5500-FE is ideal for applications such as POE extenders or repeaters and LED lighting applications, where a POE front end for signature provision is required, without the unnecessary and therefore inefficient power conversion stage.

Ag5500-FE providing POE power to Ag201



Ag5500-FE Block diagram – simple POE Repeater/extender

