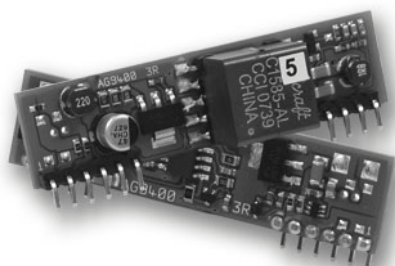# *Silver*
T E L E C O M

Ag9400
Power-Over-Ethernet Module

1. Features

➢ IEEE802.3af compliant

➢ Small SIL package size - 56mm (L) x 14mm (H)

➢ Low cost

➢ Input voltage range 36V to 57V

➢ Minimal (low cost) external components required

➢ Short-circuit protection

➢ Adjustable Output

➢ 1500V isolation (input to output)

➢ Silver Telecom "design-in" assistance

2. Description

The Ag9400 series of modules are designed to extract power from a conventional twisted pair Category 5 Ethernet cable, conforming to the IEEE 802.3af Power-over-Ethernet (PoE) standard.

The Ag9400 signature and control circuit provides the PoE compatibility signature and power classification required by the Power Sourcing Equipment (PSE) before applying up to 15W power to the port. The Ag9400 provides a Class 0 signature.

The DC/DC converter operates over a wide input voltage range and provides a regulated output. The DC/DC converter also has built-in short-circuit output protection.