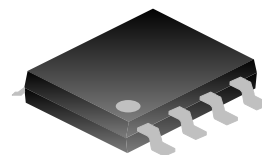


PRIMARY SIDE DC/DC CONTROLLER

1.DESCRPTION

SD4932B is an Ethernet powered (Power over Ethernet, PoE) DC/DC controller. It integrates a 150V power MOSFET with PSR control. It is suitable for Flyback topology, providing accurate CV control loop, high system efficiency and good EMI characteristic.



SOP-7-225-1.27

2.FEATURES

- ♦ PSR mode
- ♦ Light load frequency reduce mode
- ♦ Low startup current
- ♦ Leading-Edge Blanking
- ♦ Peak current mode
- ♦ Cycle by cycle current limit
- ♦ Undervoltage lockout
- ♦ Soft startup
- ♦ VCC over voltage protection
- ♦ Output short-circuit protection
- ♦ Output over voltage protection
- ♦ Over current protection
- ♦ Over temperature protection

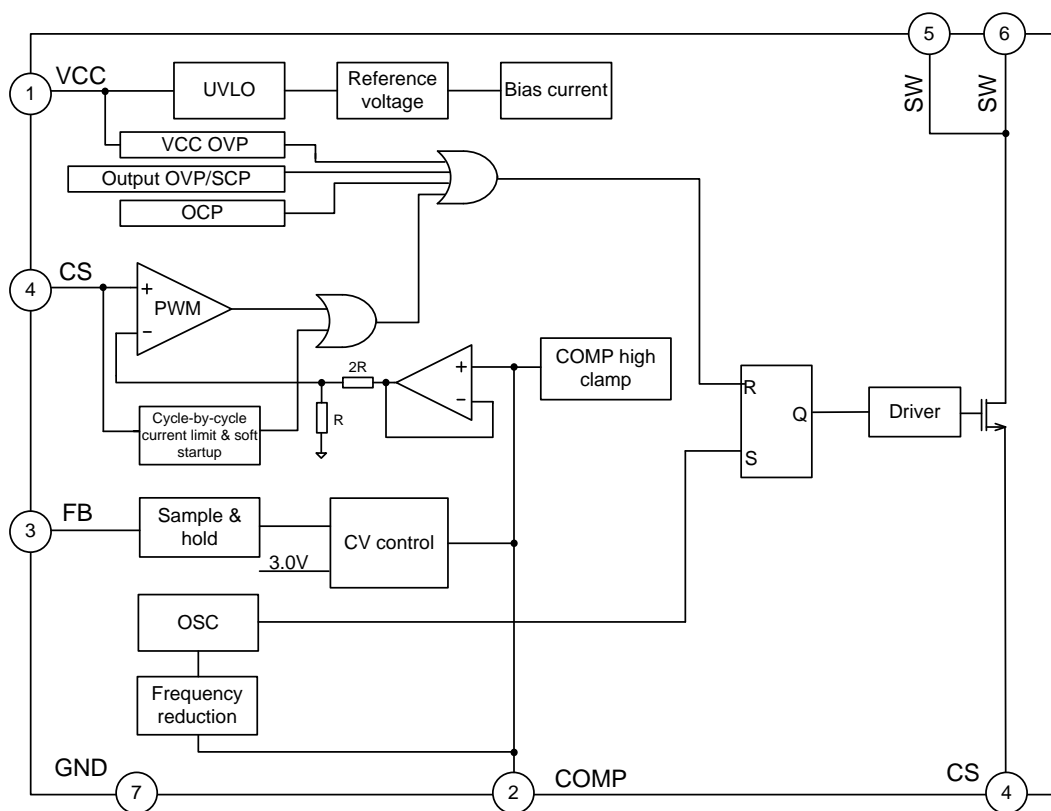
3.APPLICATIONS

- ♦ Security Cameras
- ♦ IP phones
- ♦ Wireless Access Points

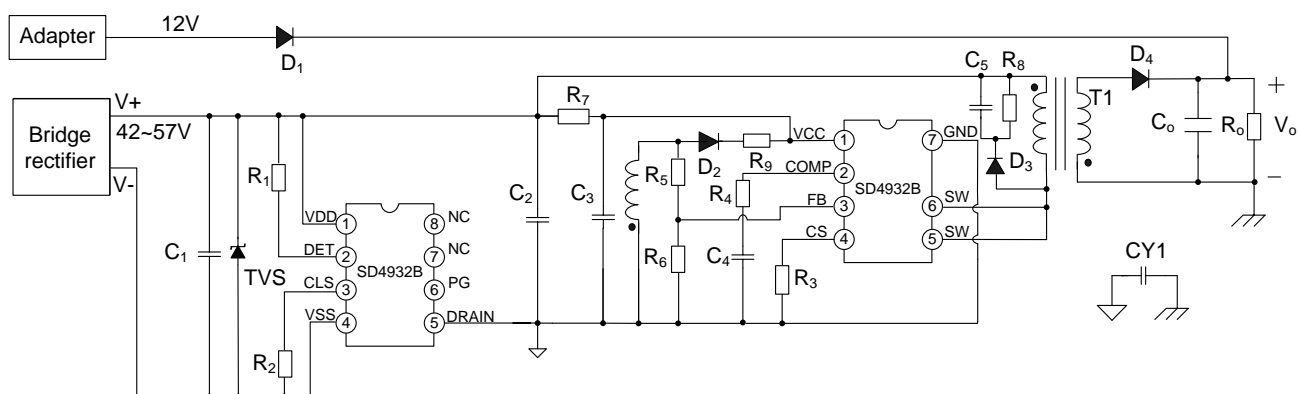
4.ORDERING INFORMATION

Part No.	Package	Marking	Hazardous Substance Control	Packing Type
SD4932B	SOP-7-225-1.27	SD4932B	Halogen free	Tube
SD4932BTR	SOP-7-225-1.27	SD4932B	Halogen free	Tape&Reel

5. BLOCK DIAGRAM

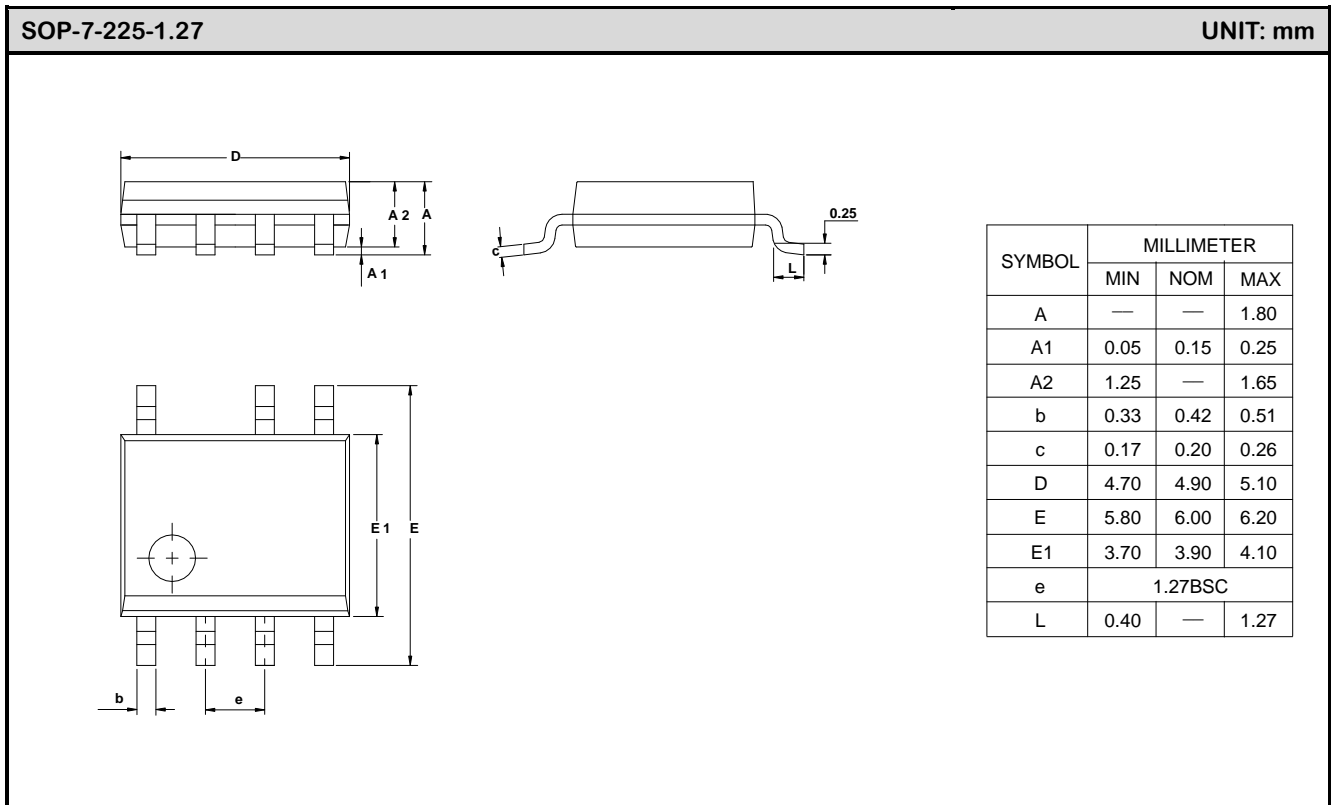


6. TYPICAL APPLICATION CIRCUIT



Note: The circuit and parameters are for reference only; please set the parameters of the real application circuit based on the real test.

7. PACKAGE OUTLINE



Important notice :

1. The instructions are subject to change without notice !
2. Customers should obtain the latest relevant information before placing orders and should verify that such information is complete and current. Please read the instructions carefully before using our products, including the circuit operation precautions.
3. Our products are consumer electronic products or the other civil electronic products.
4. When using our products, please do not exceed the maximum rating of the products, otherwise the reliability of the whole machine will be affected. There is a certain possibility of failure or malfunction of any semiconductor product under specific conditions. The buyer is responsible for complying with safety standards and taking safety measures when using our products for system design, sample and whole machine manufacturing, so as to avoid potential failure risk that may cause personal injury or property loss.
5. It is strongly recommended to identify the trademark when buying our products. Please contact us if there is any question.
6. Product promotion is endless, our company will wholeheartedly provide customers with better products!
7. Website: <http://www.silan.com.cn>.