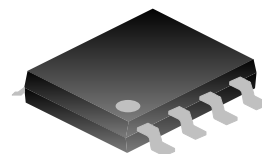


225V HIGH VOLTAGE HALF BRIDGE DRIVER

1.DESCRPTION

The SDH2126 is high voltage N-type power MOSFET and IGBT half bridge driver, whose built-in V_{CC} undervoltage lockout prevents the power device from working under low control voltage, and high-/low-side double high input interlock protection avoids the simultaneous conduction of both high side and low side MOSFETs.



SOP-8-225-1.27

2.FEATURES

- ♦ High-side floating supply absolute voltage:225V
- ♦ Output current:+1A / -1.3A
- ♦ 3.3V / 5V / 15V input logic compatible
- ♦ High-/low-side interlock protection
- ♦ Under-voltage (UV) lockout
- ♦ dV/dt immune

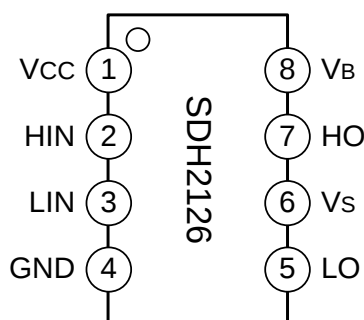
3.APPLICATIONS

- ♦ Motor Driver
- ♦ E-bike controller
- ♦ Electric tool

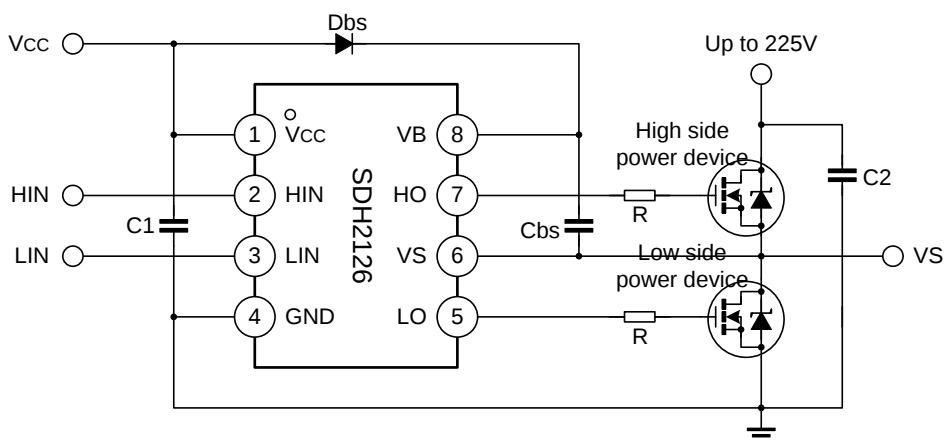
4.ORDERING INFORMATION

Part No.	Package	Marking	Hazardous Substance Control	Packing Type
SDH2126	SOP-8-225-1.27	SDH2126	Halogen free	Tube
SDH2126TR	SOP-8-225-1.27	SDH2126	Halogen free	Tape&Reel

5.PIN CONFIGURATION



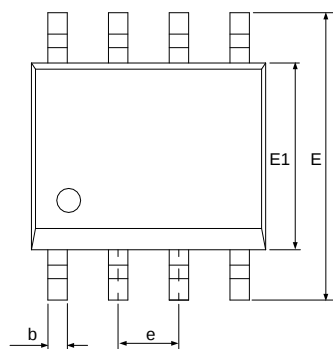
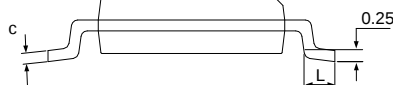
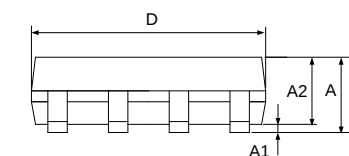
6.TYPICAL APPLICATION CIRCUIT



7.PACKAGE OUTLINE

SOP-8-225-1.27

UNIT: mm



SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	1.35	1.55	1.75
A1	0.05	0.15	0.25
A2	1.25	—	1.65
b	0.32	0.42	0.52
c	0.15	0.20	0.26
D	4.70	4.90	5.30
E	5.60	6.00	6.40
E1	3.60	3.90	4.20
e	1.27BSC		
L	0.30	—	1.27