

## 1-Channel High Current Motor Driver

### Features

- 1-Channel H-bridge driver built-in power PMOS and NMOS.
- The driver with forward, reverse, stop and brake function.
- Low stand-by and operating current.
- Low on-resistance. (0.5Ω)
- Low voltage operation.
- Built-in thermal shutdown function.
- Package SOP-8 (FD) & DIP-8
- RoHS Compliant

### General Description

The G2020 is a 1-channel H-bridge driver IC for DC motor application. It has the features of low stand-by current, low operating current, large current output and low  $R_{DS(ON)}$ . Those features make it suitable for toy.

The G2020 is available in SOP-8 (FD) & DIP-8 package.

### Applications

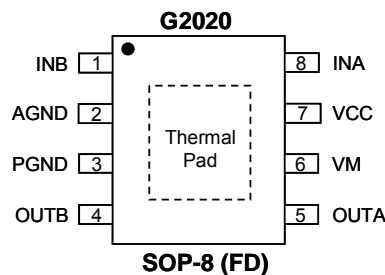
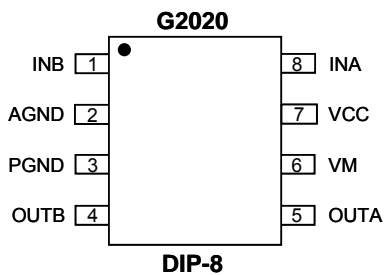
- Toy Motor Driver
- Lens Driver Application

### Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G2020F11U	G2020	-20°C to +85°C	SOP-8 (FD)
G2020Z31U	G2020	-20°C to +85°C	DIP-8

Note: F1: SOP-8 (FD) Z3: DIP-8  
 1: Bonding Code  
 U: Tube & Reel

### Pin Configuration



Note: Recommend connecting the Thermal Pad to the Ground for excellent power dissipation.

### Typical Application Circuit

