

#### DESCRIPTION

The GLF1100 is an ultra-efficiency, 2 A rated, Load Switch with integrated slew rate control. The best in class efficiency makes it an ideal chose for use in IoT, mobile, and wearable electronics.

The GLF1100 features ultra-efficient I<sub>Q</sub>Smart™ technology that supports the lowest quiescent current (I<sub>Q</sub>) and shutdown current (I<sub>SD</sub>) in the industry. Low I<sub>Q</sub> and I<sub>SD</sub> solutions help designers to reduce parasitic leakage current, improve system efficiency, and increase battery lifetime.

The GLF1100 integrated slew rate control can also enhance system reliability by mitigating bus voltage swings during switching events. Where uncontrolled switches can generate high inrush currents that result in voltage droop and/or bus reset events, the GLF slew rate control specifically limits inrush currents during turn-on to minimize voltage droop.

GLF1100 Load Switch devices support an industry leading wide input voltage range and helps to improve operating life and system robustness. Furthermore, one device can be used in multiple voltage rail applications which helps to simplify inventory management and reduce operating cost.

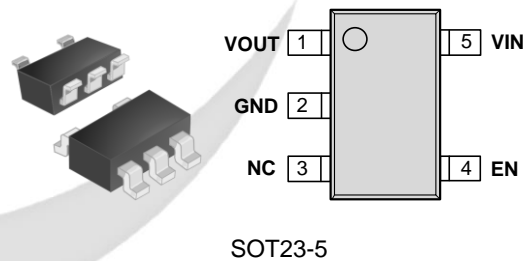
#### FEATURES

- Wide Input Range: 1.1 V to 5.5 V  
6 V abs max
- R<sub>ON</sub> : 82 mΩ Typ @ 5.5 V<sub>IN</sub>
- I<sub>OUT</sub> Max: 2 A
- Ultra-Low I<sub>Q</sub>: 10 nA Typ @ 5.5 V<sub>IN</sub>
- Ultra-Low I<sub>SD</sub>: 25 nA Typ @ 5.5 V<sub>IN</sub>
- Controlled Rise Time: 2.2 ms at 3.3 V<sub>IN</sub>
- Internal EN Pull-Down Resistor
- Integrated Output Discharge Switch
- Wide Operating Temperature Range:  
-40 °C ~ 85 °C
- HBM: 6 kV, CDM: 2 kV

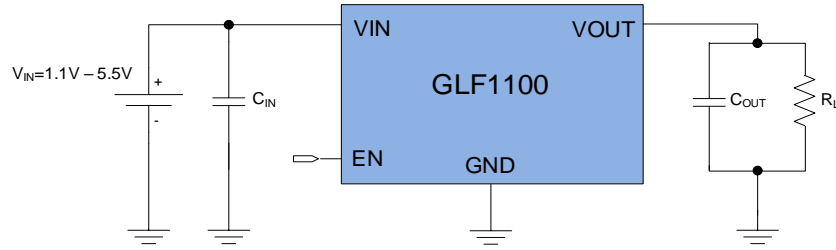
#### APPLICATIONS

- Telecommunication Module
- Low Power Subsystem
- Mobile Devices

#### PACKAGE



### APPLICATION DIAGRAM



### FUNCTIONAL BLOCK DIAGRAM

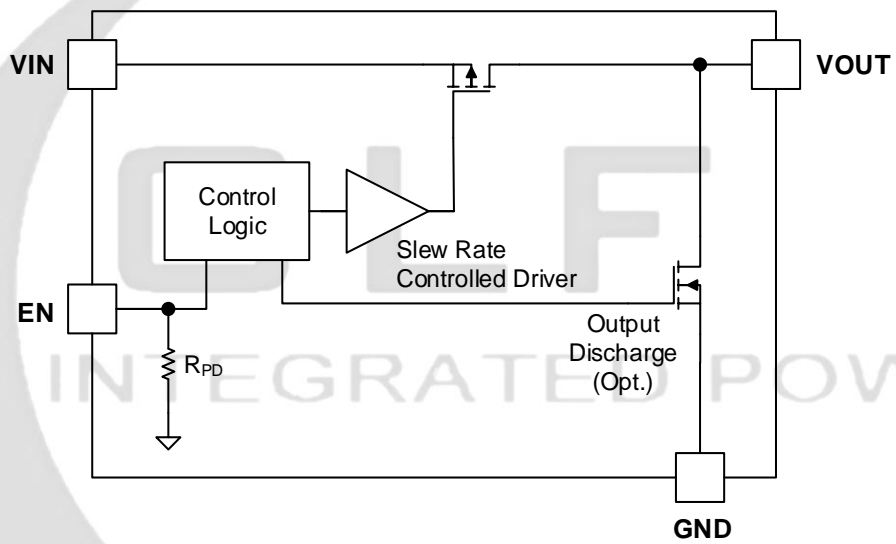
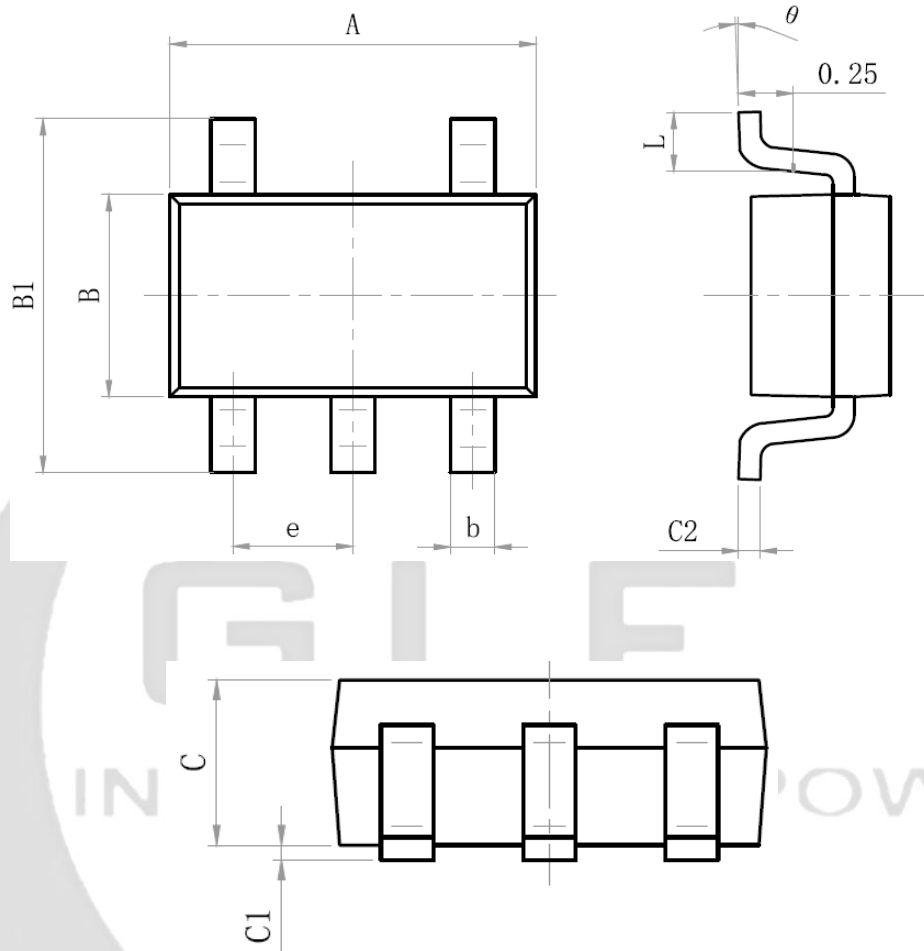


Figure 1. Functional Block Diagram

**PACKAGE OUTLINE**



Size Mark	Min (mm)	Max (mm)	Size Mark	Min (mm)	Max (mm)
A	2.82	3.02	C	1.05	1.15
e	0.95 (BSC)		C1	0.03	0.15
b	0.28	0.45	C2	0.12	0.23
B	1.50	1.70	L	0.35	0.55
B1	2.60	3.00	θ	0°	8°