

GLF71310

Ultra-Efficient, I_QSmart™ Load Switch with Slew Rate Control

DESCRIPTION

The evaluation board features the GLF71310 ultra-thin, ultra-efficiency 2A slew rate controlled load switch suitable for applications that control current power rails in wearables and IoT devices.

The GLF71310 is fully integrated I_QSmart™ with a fixed slew rate control to limit the inrush current to minimize input voltage droop, and offer an ultra-low R_{ON} in 0.97mm x 0.97mm x 0.55mm Chip Scale Package.

FEATURES

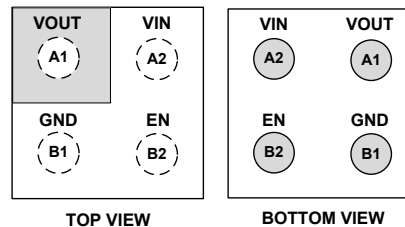
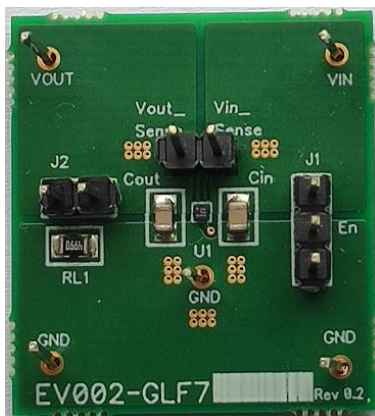
- Wide Input Range 1.1V to 5.5V
- Low R_{ON} = 31mΩ (Typ.) at 5.5V_{IN}
- Up to 2A Continuous Current
- Ultra-Low I_Q : 7nA Typ at 5.5V_{IN}
- Ultra-Low I_{SD} : 25nA Typ at 5.5V_{IN}
- 335us Rise Time at 3.3V_{IN}
- Internal EN Pull-Down Resistor
- Optional Output Pull Down
- 0.97mm x 0.97mm Wafer Level Chip Scale Package

PRODUCT TABLE

| Eval Board Ordering Info | Part Number | Top Mark | R _{ON} (Typ.) @ 5.5V _{in} | Output Discharge | EN Activity |
|--------------------------|-------------|----------|---|------------------|-------------|
| EV002-GLF71310 | GLF71310 | BA | 31 mΩ | NA | High |
| EV002-GLF71311 | GLF71311 | BC | 31 mΩ | 85Ω | High |
| EV002-GLF71312 | GLF71312 | BD | 31 mΩ | NA | Low |
| EV002-GLF71313 | GLF71313 | BE | 31 mΩ | 85Ω | Low |

Note) Contact GLF for more information on alternate device delivery and availability

EVALUATION BOARD & DEVICE PACKAGE



| Pin # | Name | Description |
|-------|------------------|-------------------------------------|
| A1 | V _{OUT} | Switch Output |
| A2 | V _{IN} | Switch Input. Supply Voltage for IC |
| C1 | GND | Ground |
| C2 | EN | Enable to control the switch |