

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

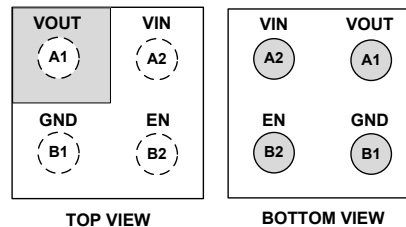
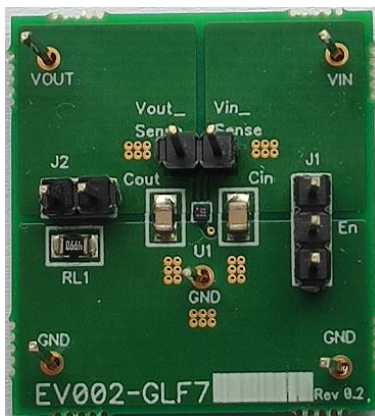
- Wide Input Range 1.1V to 5.5V
- Low R_{ON} = 31mΩ (Typ.) at 5.5V_{IN}
- Up to 2A Continuous Current
- Ultra-Low I_Q : 7nA Typ at 5.5V_{IN}
- Ultra-Low I_{SD} : 25nA Typ at 5.5V_{IN}
- 335us Rise Time at 3.3V_{IN}
- Internal EN Pull-Down Resistor
- Optional Output Pull Down
- 0.97mm x 0.97mm Wafer Level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