

GLF71302

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

DESCRIPTION

The evaluation board EV010 features the GLF71302 ultra-small slew rate controlled I_QSmart™ Load Switch suitable for applications that control current power rails in wearables and data storage devices.

The GLF71302 is the fully integrated I_QSmart™ Load Switch with a fixed slew rate control to limit the inrush current to minimize input voltage droop, and offer an ultra-low R_{ON} in 0.77mm x 0.77mm x 0.50mm (or 0.35mm) Wafer Level Chip Scale Package.

FEATURES

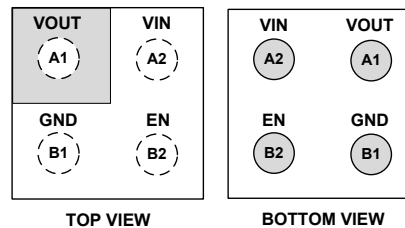
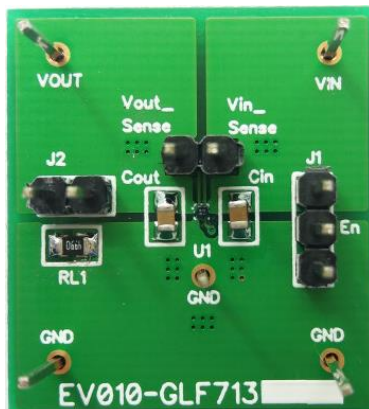
- Wide Input Range 1.1V to 5.5V
- Low R_{ON} = 34mΩ Typ. at 5.5V_{IN}
- 2A Maximum Continuous Current
- Ultra-Low I_Q : 1nA Typ.
- Ultra-Low I_{SD} : 19nA Typ @5.5V_{IN}
- 430us Rise Time at 3.3V_{IN}
- Internal EN Pull-Down Resistor
- Optional Output Pull Down
- 0.77mm x 0.77mm Wafer Level Chip Scale Package
- Ultra-Thin GLF71302: 0.5mm Typ.

PRODUCT TABLE

Eval Board Ordering Info	Part Number	Top Mark	R _{ON} (Typ.) @ 5.5V _{in}	Output Discharge	EN Activity
EV010-GLF71300	GLF71300	A	34 mΩ	NA	High
EV010-GLF71301	GLF71301/T	B	34 mΩ	85Ω	High
EV010-GLF71302	GLF71302	C	34 mΩ	NA	Low
EV010-GLF71303	GLF71303	D	34 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