

## GLF71301 / GLF71301T Ultra-Small, I<sub>Q</sub>Smart™ Load Switch with Slew Rate Control

### DESCRIPTION

The evaluation board EV010 features the GLF71301 ultra-small slew rate controlled I<sub>Q</sub>Smart™ Load Switch suitable for applications that control current power rails in wearables and data storage devices.

The GLF71301 is the fully integrated I<sub>Q</sub>Smart™ Load Switch with a fixed slew rate control to limit the inrush current to minimize input voltage droop, and offer an ultra-low R<sub>ON</sub> in 0.77mm x 0.77mm x 0.50mm (or 0.35mm) Wafer Level Chip Scale Package.

### GLF71301 FEATURES

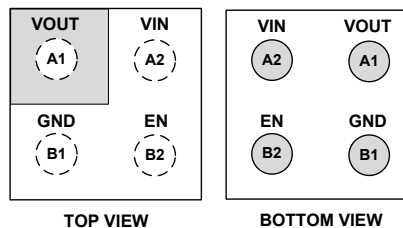
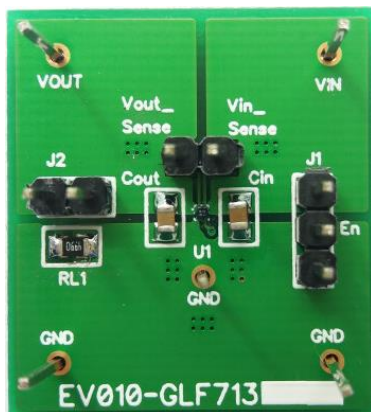
- Wide Input Range 1.1V to 5.5V
- Low R<sub>ON</sub> = 34mΩ Typ. at 5.5V<sub>IN</sub>
- 2A Maximum Continuous Current
- Ultra-Low I<sub>Q</sub> : 1nA Typ.
- Ultra-Low I<sub>SD</sub> : 19nA Typ @5.5V<sub>IN</sub>
- 430us Rise Time at 3.3V<sub>IN</sub>
- Internal EN Pull-Down Resistor
- Optional Output Pull Down
- 0.77mm x 0.77mm Wafer Level Chip Scale Package
- Ultra-Thin GLF71301: 0.5mm Typ.  
GLF71301T : 0.35mm Typ.

### PRODUCT TABLE

Eval Board Ordering Info	Part Number	Top Mark	R <sub>ON</sub> (Typ.) @ 5.5V <sub>in</sub>	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 <sub>OUT</sub>	Switch Output
A2	V <sub>IN</sub>	Switch Input. Supply Voltage for IC
C1	GND	Ground
C2	EN	Enable to control the switch