

GLF71311T

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

DESCRIPTION

The evaluation board features the GLF71311T ultra-thin, ultra-efficiency 2A slew rate controlled load switch suitable for applications that control current power rails in wearables and IoT devices.

The GLF71311T is the 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 0.35mm WLCSP.

GLF71311T FEATURES

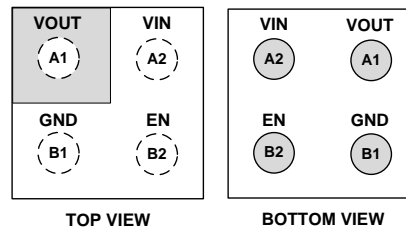
- Wide Input Range 1.1V to 5.5V
- Low R_{ON} = 31mΩ (Typ.) at 5.5V_{IN}
- Up to 2A Continuous Current
- Ultra-Low I_Q : 7nA Typ at 5.5V_{IN}
- Ultra-Low I_{SD} : 28nA Typ at 5.5V_{IN}
- 335us Rise Time at 3.3V_{IN}
- Internal EN Pull-Down Resistor
- Optional Output Pull Down
- 0.97mm x 0.97mm x 0.35mm 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-GLF71310T	GLF71310T	BA	31 mΩ	NA	High
EV002-GLF71311T	GLF71311T	BC	31 mΩ	85Ω	High
EV002-GLF71312T	GLF71312T	BD	31 mΩ	NA	Low
EV002-GLF71313T	GLF71313T	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