

GLF71315

Ultra-Efficient I_QSmart™ Load Switch with Slew Rate Control

DESCRIPTION

The evaluation board features the GLF71315 ultra-efficiency 2A slew rate controlled load switch with the wide operating temperature range.

The GLF71315 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 0.55mm WLCSP.

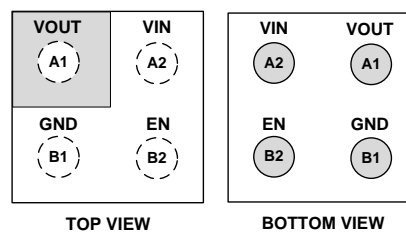
GLF71315 FEATURES

- 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
- Wide Operating Temperature Range: -40°C ~ 105°C
- 0.97mm x 0.97mm WLCSP

PRODUCT TABLE

Eval Board Ordering Info	Part Number	Top Mark	R _{ON} (Typ.) @ 5.5V _{IN}	Output Discharge	EN Activity
EV002-GLF71315	GLF71315	HC	31 mΩ	85Ω	High

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