

## GLF76321 / GLF76321T Integrated Load Switch with Deep Sleep Mode

### DESCRIPTION

The EV012 evaluation board features the GLF76321 / GLF76321T ultra-efficiency 2A rated load switch with a deep sleep mode by disconnecting the system from the battery pack completely to save input power capacity.

The /SRO pin offers a true deep sleep function enabling the load switch to completely disconnect the load from the input battery after a reasonable long delay time. This switch can help to significantly extend system battery life in mobile devices during shipping or the periods of extended off time.

### FEATURES

- Integrated Delay Time(Hold Time) to Deep Sleep, 7 seconds
- Deep Sleep Mode by /SRO or OFF
- Ultra-Low I<sub>Q</sub>: 3nA Typ at 3.6V<sub>BAT</sub>
- Ultra-Low I<sub>SD</sub>: 7nA Typ at 3.6V<sub>BAT</sub>  
9nA Typ at 4.2V<sub>BAT</sub>
- Low R<sub>ON</sub> = 31mΩ Typ at 3.6V<sub>BAT</sub>  
29mΩ Typ at 4.2V<sub>BAT</sub>
- Up to 2A Continuous Current
- 0.97mm x 1.47mm x 0.5mm WLCSP : GLF76321
- 0.97mm x 1.47mm x 0.35mm Ultra-Thin WLCSP : GLF76321T

**NOTE: Please refer to the data specification for details**

### PRODUCT TABLE

Eval Board Ordering Info	Part Number	Top Mark	R <sub>ON</sub> (Typ.) @ 3.6Vin	SRO Hold Time	Output Discharge
EV012-GLF76321	GLF76321	SF	31mΩ	7 s	85Ω
EV012-GLF76321T	GLF76321T				

### EVALUATION BOARD

