# 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 $I_Q$: 3nA Typ at $3.6V_{BAT}$
- Ultra-Low $I_{SD}$: 7nA Typ at $3.6V_{BAT}$
            9nA Typ at $4.2V_{BAT}$
- Low $R_{ON}$ = 31mΩ Typ at $3.6V_{BAT}$
            29mΩ Typ at $4.2V_{BAT}$
- 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 | $R_{ON}$ (Typ.) @ 3.6Vin | SRO Hold Time | Output Discharge |
|---|---|---|---|---|---|
| EV012-GLF76321 EV012-GLF76321T | GLF76321 GLF76321T | SF | 31mΩ | 7 s | 85Ω |

## EVALUATION BOARD