

## GLF7252x

### 4 A Ultra Low Current Consumption N-channel Load Switch with Lower Input Voltage Range

#### Introduction

The GLF7252x load switch is a fully integrated 4 A NMOS load switch with *IQSmart*<sup>™</sup> advanced technology. The device is targeted for the mobile computing and data storage markets as a high performance and low cost solution for load switch applications. Product table lists a short description of the GLF7252x load switch performance specifications.

The GLF7252x evaluation board (EVB) EV007 supports the user to evaluate GLF72520, GLF72524 and GLF72525 load switches. The test point connections allow the user to test the key parameters like  $R_{on}$ , rise time and output discharge resistor etc easily.

#### FEATURES

- Supply Voltage Range:  
0.8 V to 3.6 V GLF72520,  
GLF72524  
0.7 V to 3.6 V GLF72525
- Easy connections to VIN, VOUT, GND and EN of GLF7252x load switch devices
- I<sub>OUT</sub> Max: 4 A
- On board C<sub>IN</sub> and C<sub>OUT</sub> capacitors as well as 150Ω loading resistor

#### PRODUCT TABLE

| Eval Board Ordering Info | Part Number | R <sub>ON</sub> (Typ.) | Output Discharge | t <sub>r</sub> @3.6V <sub>IN</sub> | EN Activity |
|--------------------------|-------------|------------------------|------------------|------------------------------------|-------------|
| EV007-GLF72520           | GLF72520    | 10 mΩ                  | No               | 780 μs                             | High        |
| EV007-GLF72524           | GLF72524    | 10 mΩ                  | 85 Ω             | 280 μs                             | High        |
| EV007-GLF72525           | GLF72525    | 9 mΩ                   | 85 Ω             | 82 μs                              | High        |