

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*[™] 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_{OUT} Max: 4 A
- On board C_{IN} and C_{OUT} capacitors as well as 150Ω loading resistor

PRODUCT TABLE

Eval Board Ordering Info	Part Number	R _{ON} (Typ.)	Output Discharge	t _r @3.6V _{IN}	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