

GLF74520

Ultra-low Current Consumption Power Multiplexer Switch with Auto & Manual Selection

DESCRIPTION

The GLF74520 is an integrated power multiplexer switch with dual independent power switches connected to a single output pin to enable seamless transition between two input sources. The EN and SEL pin provide manual and automatic input power source selection between two different power suppliers.

The GLF74520 operates at the wide input range from 1.5 V to 5.5 V and delivers up to 2.5 A per each channel. They include inrush current control and the reverse current blocking protection to avoid unwanted reverse current to input power sources. GLF74520 has the output discharge function at off mode to quickly discharge remaining output charges.

GLF74520 FEATURES

- Two-Input and Single-Output Power Multiplexer Switch
- Supply Voltage Range: 1.5 V to 5.5 V
6 Vabs Max
- RON : 35 mΩ Typ. at 5.5 VIN1 or VIN2
43 mΩ Typ. at 3.3 VIN1 or VIN2
- 2.5 A Continuous Output Current
Capability Per Channel
- Ultra-Low Supply Current at Operation
IQ : 4 uA Typ at 5.5 VIN
- Ultra-Low Stand-by Current
ISD : 20 nA Typ at 5.5 VIN
- No Cross Conduction Between Two
Inputs
- Reverse Current Blocking when
Disabled
- Operating Temperature Range: -40 to
85 °C
- HBM: 6 kV, CDM: 2 kV
- 0.97 mm x 1.47 mm x 0.55 mm,
6 Bumps Wafer Level Chip Scale
Package

PRODUCT TABLE

| Eval Board Ordering Info | Part Number | R _{ON} (Typ.) @ 5.5Vin | EN & SEL Activity |
|--------------------------|-------------|------------------------------------|-------------------|
| EV006-GLF74520 | GLF74520 | 35 mΩ | High |