

GLF71305

Ultra-Small, I_QSmart™ Load Switch with Slew Rate Control

DESCRIPTION

The evaluation board EV010 features the GLF71305 ultra-small slew rate controlled I_QSmart™ Load Switch suitable for applications that control current power rails in wearables and data storage devices.

The GLF71305 is the fully integrated I_QSmart™ Load Switch with a fixed slew rate control to limit the inrush current to minimize input voltage droop, and offer an ultra-low R_{ON} in 0.77 mm x 0.77 mm x 0.50 mm (or 0.35 mm) Wafer Level Chip Scale Package.

FEATURES

- Wide Input Range 1.5 V to 5.5 V
- Low R_{ON} = 34 mΩ Typ. at 5.5 V_{IN}
- 2 A Maximum Continuous Current
- Ultra-Low I_Q: 3 nA Typ@ 5.5 V_{IN}
- Ultra-Low I_{SD}: 19 nA Typ@ 5.5 V_{IN}
- 340 us Rise Time at 3.3 V_{IN}
- Integrated Output Discharge Switch
- 0.77 mm x 0.77 mm Wafer Level Chip Scale Package
- Wide Operating Temperature Range: -40 °C to 85 °C

PRODUCT TABLE

Eval Board Ordering Info	Part Number	Top Mark	Input Voltage Range	Vout Rise Time at 3.3V _{IN} (Typ)	Output Discharge	EN Activity
EV010-GLF71305	GLF71305	H	1.5V-5.5V	340 us	85 Ω	High