

Power Distribution Switch

1. General Description

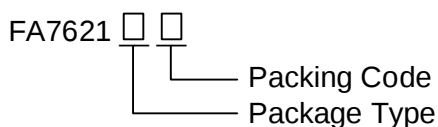
The FA7621 is a low $R_{DS(ON)}$, 1A low loss power distribution switch with fixed current limit to protect the power source from over current or short circuit conditions. The power switch is controlled by an on/off input, which is capable of interfacing directly with low-voltage control signals. A 170Ω on-chip load resistor is added for output discharge when switch is turned off.

The FLAGb pin is an open drain output that asserts (active low) when over-current or over-temperature event. The FLAGb signal remains asserted until the fault condition is removed and the device resumes normal operation. The FA7621 is designed to eliminate false fault reporting by using an internal deglitch circuit.

Features

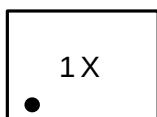
- Typical $70m\Omega$ On Resistance
- Input Voltage: 3.0V to 5.5V
- Built-in Soft-Start
- Output Discharge when Switch Disabled
- True Reverse Blocking when Switch ON or OFF
- Output Over Current Protection
- Over Temperature Protection
- Fault Flag Output
- Halogen Free, RoHS and TSCA Regulations Compliant
- Package: 0.66mm x 1.02mm WLCSP

Ordering Information



Package Type
W: WLCSP
Packing Code
R: Tape & Reel

Marking Information



1: Product Code
X: Tracking Code