

SD Card Power Rail Switch IC

1. General Description

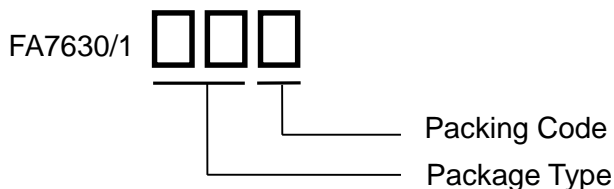
The FA7630/1 is a power switch consisting of 2-in 1-out with slew-rate controlled, low R_{ON} , N-MOSFET switches. The power switch is controlled by an on/off input (EN/EN#), which is capable of interfacing directly with low-voltage control signals. A 270Ω on-chip load resistor is added for quick output discharge when switch is turned off. The FA7630/1 also integrates OTP to against the fault conditions.

The FA7630/1 is available in space saving, SOT23, and DFN2x2 package.

Features

- Dual-Input and Single-Output Power Switch
- On Resistance : 120mΩ
- Continuous Current Capability: 500mA
- Input Voltage Range (VINx): 0.8V~3.6V
- Supply Voltage Range (VBIAS): 3.0V to 3.6V
- Slew Rate Controlled by External Capacitor
- Output Discharge when Switch Disabled
- Reverse Current Blocking when Switch Disabled
- Support both Active-High Enable EN(FA7630) and Active-Low Enable EN# (FA7631)
- Over Temperature Protection

Ordering Information



Package Type

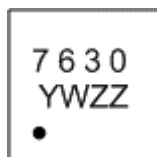
A8: SOT-23-8L

OT: DFN 2x2mm²-8L

Packing Code

R: Tape & Reel

Marking Information



7630: Product Code

Y: Year 2016→C、2017→D

W: Week 01~26→A~Z、27~52→a~z、53→0

ZZ: Series Code