

# Fast Response, Ultra-Low On-Resistance, 10A Load Switch

## 1. General Description

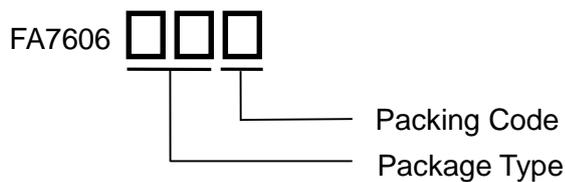
The FA7606 is a small, ultra-low  $R_{ON}$ , single channel support a maximum 10A continuous current. It contains an N-MOSFET which operates up to  $V_{BIAS}-1.8V$  input voltage range and 10A maximum continuous current. The switch is controlled by an on/off input, which is capable of interfacing directly with low-voltage control signals.

In FA7606, a 220 $\Omega$  on-chip load resistor is added for quick output discharge when switch is turned off.

### Features

- 3.7m $\Omega$  On-resistance at  $V_{BIAS}=5V$ ,  $V_{IN}=1.05V$
- Integrated 10A Single Channel load Switch
- 1uA Low Quiescent Current
- Input Voltage Range ( $V_{IN}$ ): 0.7V to  $V_{BIAS}-1.8V$
- Bias Voltage Range ( $V_{BIAS}$ ): 3.2V to 5.5V
- Output Discharge when Switch Disabled

### Ordering Information



Package Type

OT: DFN 3x3mm<sup>2</sup>-8L

Packing Code

R: Tape & Reel

### Marking Information



YY: Year 2016→16、2017→17→、2018→18、2019→19

WW: Week 01~53

ZZ: Series Code