

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

1. General Description

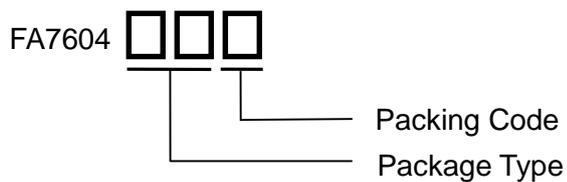
The FA7604 is a small, ultra-low R_{ON} , single channel support a maximum 10A continuous current. It contains an N-MOSFET which operates up to $V_{BIAS}-1.8V$ input voltage range and 10A maximum continuous current. The switch is controlled by an on/off input, which is capable of interfacing directly with low-voltage control signals.

In FA7604, a 220 Ω on-chip load resistor is added for quick output discharge when switch is turned off.

Features

- 3.7m Ω 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}): 0.8V 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 3x3mm²-8L

Packing Code

R: Tape & Reel

Marking Information



YY: Year 2018→18 · 2019→19

WW: Week 01~53

ZZ: Series Code