

Ultra-Low On-Resistance 6A Load Switch

1. General Description

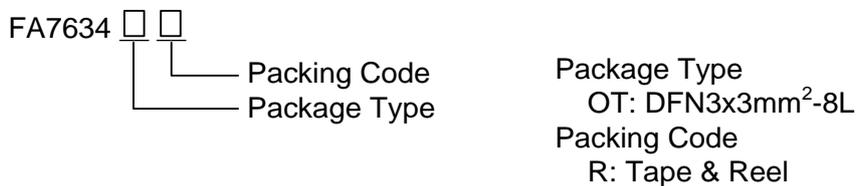
The FA7634 is a small, ultra-low R_{ON} , single channel support a maximum 6A continuous current. It contains an N-MOSFET which operates up to $V_{BIAS}-2V$ input voltage range and 6A maximum continuous current. The switch is controlled by an on/off input, which is capable of interfacing directly with low-voltage control signals.

In FA7634, a 200 Ω on-chip load resistor is added for quick output discharge when switch is turned off.

Features

- 6.5m Ω On-resistance at $V_{BIAS}=5V$, $V_{IN}=1.05V$
- Integrated 6A Single Channel load Switch
- 1uA Low Quiescent Current
- Input Voltage Range (V_{IN}): 0.7V to ($V_{BIAS} - 2V$)
- Bias Voltage Range (V_{BIAS}): 3.0V to 5.5V
- Output Discharge when Switch Disabled
- Halogen Free and Green Devices (RoHS Compliant)

Ordering Information



Marking Information



YY: Year 2022→22、2023→23

WW: Week 01~53

ZZ: Series Code