

# Low On-Resistance, 12V/3A Load Switch with adjustable soft-start

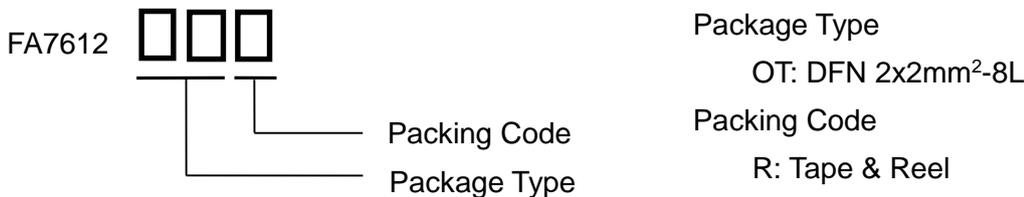
## 1. General Description

The FA7612 is a small, ultra-low  $R_{ON}$ , single channel load switch supporting current up to 3A, allow for +12V or +5V power rail. The FA7612 controlled by an on/off input, which is capable of interfacing directly with low-voltage control signals. A 250Ω on-chip load resistor is added for quick output discharge when switch is turned off. The FA7612 provides a under voltage protection during soft-start. If short circuit is present before power on, the device will be triggered UVP while start-up. The VOUT keep low until short circuit remove. The device The FA7612 also integrates OTP to against the fault conditions. The FA7612 is available in space saving, DFN2x2 package.

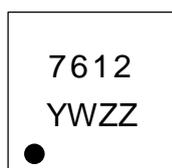
### Features

- Typical 100mΩ On-Resistance
- Wide Input Voltage Range (VIN): 4.75V to 13.2V
- Output Discharge when Switch Disabled
- Under Voltage Protection During Soft Start
- Over Temperature Protection
- Enable Control
- Halogen Free and Green Devices (RoHS Compliant)

### Ordering Information



### Marking Information



7612: Product Code  
 Y: Year 2021→H、2022→I  
 W: Week 01~26→A~Z、27~52→a~z、53→0  
 ZZ: Series Code