

# Ultra-Low On-Resistance, 6A Load Switch with adjustable soft-start

## 1. General Description

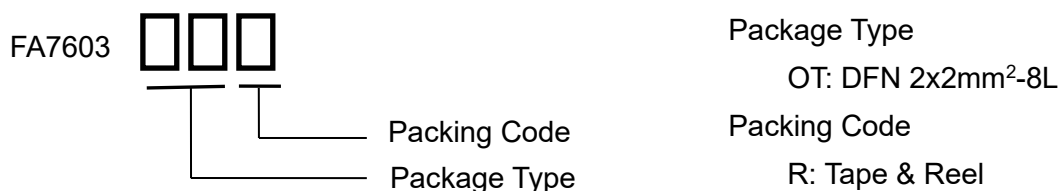
The FA7603 is a small, ultra-low  $R_{ON}$ , single channel support a maximum 6A continuous current. The switch is controlled by an on/off input, which is capable of interfacing directly with low-voltage control signals.

In FA7603, a 220 $\Omega$  on-chip load resistor is added for quick output discharge when switch is turned off.

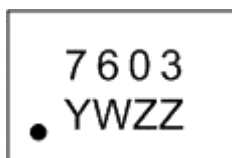
### Features

- Typical 20m $\Omega$  On-resistance
- 6A Continuous Current
- Soft start time programmable by External capacitor
- Wide Input Voltage Range (VIN): 0.7V to 5.7V
- Supply Voltage Range (VBIAS): 2.5V to 5.7V
- Output Discharge when Switch Disabled
- Reverse Current Blocking when Switch Disabled
- Enable control
- Halogen Free, RoHS and TSCA Regulations Compliant

### Ordering Information



### Marking Information



7603: Product Code  
Y: Year 2023→J、2024→K  
W: Week 01~26→A~Z、27~52→a~z、53→0  
ZZ: Series Code