

# 26V, 3A eFuse with Adjustable Current-Limit Control

## 1. General Description

The FA7620 is a low  $R_{DS(ON)}$ , 3A eFuse with 26V high voltage rating. The programmable current limit to protect the power source from over current or short circuit conditions. The device is controlled by an on/off input, which is capable of interfacing directly with low-voltage control signals. In FA7620, an option 2k $\Omega$  on-chip load resistor is added for output fast discharge when switch is turned off.

Other features include a power-OK (POK) output that signals when the output voltage is ready.

### Features

- Typical 55m $\Omega$  On Resistance
- 3A Continuous Current
- Wide Supply Voltage Range for VIN from 4.5V to 24V
- Adjustable Over Current Threshold
- Adjustable Input Over Voltage Threshold
- Programmable Soft Start Time
- Output Discharge when Device Disabled
- Power-OK Output to Control Next Stage Switch
- Reverse Voltage Blocking when Switch OFF
- Package: DFN3x3-12L
- UL Listed File No. E501281 and CB Certified
- Halogen Free and Green Devices (RoHS Compliant)

### Ordering Information

P/N	Over current Response	OUT Discharge Resistor	Top Side Marking
FA7620AOTR	HICCUP Mode	YES	7620A YYWWZZ
FA7620BOTR	HICCUP Mode	NO	7620B YYWWZZ
FA7620COTR	LATCH_OFF Mode	YES	7620C YYWWZZ
FA7620DOTR	LATCH_OFF Mode	NO	7620D YYWWZZ

※Topside Marking Rule:

YY : Year 2021→21、2022→22、2023→23

WW : Week 01~53

ZZ : Series Code