

26V, 5A eFuse with Adjustable Current-Limit Control

1. General Description

The FA7618 is a low $R_{DS(ON)}$, 5A 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 FA7618, an option 2k Ω 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 24m Ω On Resistance
- 5A 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
- 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
FA7618AOTR	HICCUP Mode	YES	7618A YYWWZZ
FA7618BOTR	HICCUP Mode	NO	7618B YYWWZZ
FA7618COTR	LATCH_OFF Mode	YES	7618C YYWWZZ
FA7618DOTR	LATCH_OFF Mode	NO	7618D YYWWZZ

※Topside Marking Rule:

YY : Year 2020→20、2021→21、2022→22

WW : Week 01~53

ZZ : Series Code