

24V eFuse Controller

1. General Description

The FA7632 is an e-fuse controller for 5V to 20V system. 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 FA7632, an option 2kΩ on-chip load resistor is added for output discharge when switch is turned off.

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

Features

- Wide Supply Voltage Range for VIN from 4.5V to 24V
- Adjustable Over Current Threshold
- Adjustable Input Over Voltage Threshold
- Optional Output Discharge when Disabled
- Power-OK Output to Control Next Stage Switch
- DFN 2mm x 3mm 8L
- Halogen Free and Green Devices (RoHS Compliant)

Ordering Information

P/N	Over Current Response	OUT Discharge Resistor	Top Side Marking
FA7632AOTR	HICCUP Mode	YES	632A YWZZ
FA7632BOTR	HICCUP Mode	NO	632B YWZZ
FA7632COTR	LATCH_OFF Mode	YES	632C YWZZ
FA7632DOTR	LATCH_OFF Mode	NO	632D YWZZ

※Topside Marking Rule:

Y : Year 2022→I、2023→J、2024→K

W : W: Week 01~26→A~Z、27~52→a~z、53→0

ZZ : Series Code