

## Product Overview

### FL7760: Analog/PWM Dimmable 70 V input Buck Controller for LED Lighting

For complete documentation, see the data sheet.

The FL7760 is a high efficiency step-down controller for middle to high power lighting applications that operate in CCM (Continuous Current Mode). The FL7760 can operate in wide 8 ~ 70 V input range and support both PWM and analog dimming through DIM pin with small 6 pin package

#### Features

- Quadratic Analog Dimming Curve ("A" version)
- Analog/PWM Dimming signal both compatible
- High Switching Frequency up to 1 MHz
- Wide Input Voltage Range: 8 VDC ~ 70 VDC
- Low Stand-by/ Operation Consumption Current: 240/300  $\mu$ A

#### Benefits

- Wide Analog Dimming Operation Range: 5~100%
- Design Flexibility with Wide Dimming Operation Range
- Small form factor Inductor
- Design Flexibility
- Low Stand-by Power

#### Applications

- LED Lighting Driver
- LED Smart Lighting Driver

#### End Products

- LED Lighting Luminaries

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Topology	V <sub>IN</sub> Min (V)	V <sub>IN</sub> Max (V)	V <sub>O</sub> Max (V)	I <sub>O</sub> Max (mA)	f <sub>sw</sub> Typ (kHz)	Package Type
FL7760AM6X	0.2667	Pb-free	Active	Step-Down	8 V <sub>DC</sub>	60 V <sub>DC</sub>	< V <sub>IN</sub>	1.5/2.5 A - I <sub>o</sub> +/-	1 MHz	SOT-23-6
		Halide free								
FL7760BM6X	0.2667	Pb-free Halide free	Active	Step-Down	8 V <sub>DC</sub>	60 V <sub>DC</sub>	< V <sub>IN</sub>	1.5/2.5 A - I <sub>o</sub> +/-	1 MHz	SOT-23-6

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