

Product Overview

FL7760: Analog/PWM Dimmable 60 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 ~ 60 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 ~ 60 VDC
- Low Stand-by/ Operation Consumption Current: 240/300 μ 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	Compliance	Status	Topology	V _{IN} Min (V)	V _{IN} Max (V)	V _O Max (V)	I _O Max (mA)	f _{sw} Typ (kHz)	Package Type
FL7760AM6X	Pb-free	Active	Step-Down	8 V _{DC}	60 V _{DC}	< V _{IN}	1.5/2.5 A - I _o +/-	1 MHz	SOT-23-6
	Halide free								
FL7760BM6X	Pb-free	Active	Step-Down	8 V _{DC}	60 V _{DC}	< V _{IN}	1.5/2.5 A - I _o +/-	1 MHz	SOT-23-6
	Halide free								

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Created on: 7/22/2019