

Product Overview

FL7740: PWM Controller, Constant Voltage, Primary Side Regulation for Power Factor Correction

For complete documentation, see the data sheet.

The FL7740 provides accurate CV (Constant Voltage) regulation with differentiated dynamic function to minimize overshoot and undershoot of output voltage in line and load transient condition. Standby power is less than 0.3 W for smart lighting application and power factor is higher than 0.9 even half load condition when enabling PF optimizer for wide output powerscalability.

Features

- Internal start up JFET
- Accurate primary side regulation technique
- Dynamic CV regulation
- PF optimizer

Applications

- Smart Lighting AC-DC Power
- Lighting Driver
- AC-DC Adapters, TVs, Monitors

Benefits

- Fast start up and Low standby power consumption
- Low eBOM counts & precise CV regulation
- Stable operation with under 10% CV regulation in load transient
- Over 0.9 PF even at half load and univesal input condition

End Products

- Lighting
- TV

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Topology	V _I Min (V)	V _I Max (V)	V _O Max (V)	I _O Max (mA)	f _{sw} Typ (kHz)	Package Type
FL7740MX	0.4	Pb-free Halide free	Active	CV PSR PFC Flyback	18	24	17.8	385 180	65	SOIC-10

For more information please contact your local sales support at www.onsemi.com.

Created on: 8/7/2020