Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

International IOR Rectifier

IRS2580DSPbF

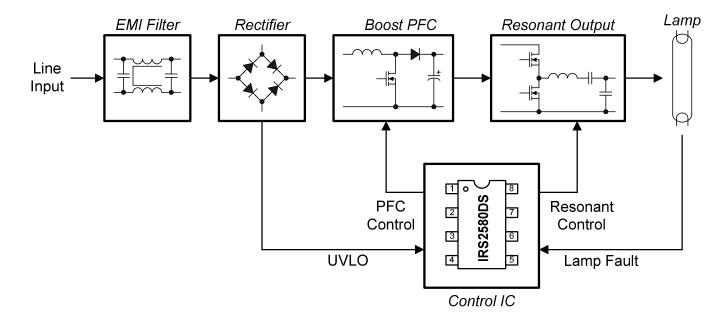## "COMBO8" PFC + HALF-BRIDGE BALLAST IC

Features

- PFC, ballast control and half-bridge driver in one IC
- Critical-conduction mode boost-type PFC
- Internal VBUS sensing and regulation
- Internal PFC loop compensation
- Programmable PFC over-current
- Ignition voltage regulation (current or voltage control)
- Half-bridge non-ZVS protection
- Half-bridge over-current protection using low-side MOSFET Rds(on)
- Programmable preheat time
- Programmable preheat frequency
- Programmable ignition ramp time
- Programmable run frequency
- Voltage-controlled oscillator (VCO) analog input
- Latched EOL window comparator on VCC
- Internal EOL fault timer
- Fixed dead-time (1.7usec typ.)
- DC bus under-voltage reset
- Lamp insert auto-restart
- Micro-power start-up current
- Under-voltage lock-out mode
- Small 8-pin SOIC package
- Lead-free

Typical Application

- Electronic Ballast

Product Summary

Topology	Boost + Half-Bridge
V_{OFFSET}	600 V
V_{OUT}	VCC
I_{O+} & I_{O-} (typical)	180 mA & 260 mA
Dead-time	1.7us

Package Options

8-Lead SOIC

Typical Application Block Diagram