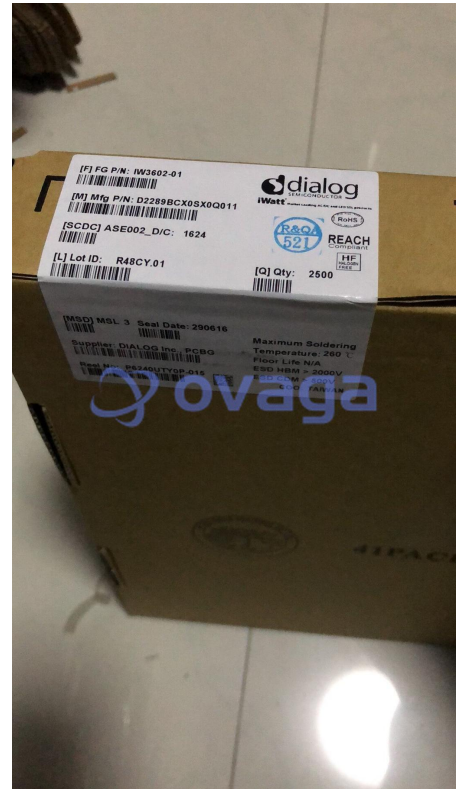


10W Off-Line LED Driver for Dimmable Solid State Lighting, 1.5 Stage

Manufacturers	Renesas Technology Corp
Package/Case	SO-8
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for iW3602-01 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

High performance controller optimized for dimmable LED luminaires

Designed to operate from a broad input voltage range of 100VAC to 230VAC, the iW3602 provides an efficient solution for 3W-10W LED luminaires. Incorporating Dialog's proprietary Flickerless™ technology, the iW3602 removes LED flicker and permits usage with the industry's broadest range of dimmers. Additionally, the iW3602 incorporates Dialog's proprietary PrimAccurate™ primary-side control technology, minimizing the external component count by removing the need for both the traditional opto-coupler and external compensation components, reducing solution size and cost.

The iW3602 integrates an over-temperature protection circuit that works with an external NTC resistor to reduce the drive to the output LEDs when an over-temperature condition is detected, enabling continuous light output while protecting the entire LED driver circuit. For more detailed information on this important protection feature, [click here](#).

Application: AC/DC Digital Power Controller for Dimmable LED Drivers up to 10W

Features

PrimAccurate™ - Isolated Off-Line AC/DC Controller

Integrates Flickerless™ Technology - Removes LED Flicker

Ideal for 3W to 10W Off-Line LED Applications

45Hz to 66Hz Line Frequency Range - 50Hz/60Hz Compatible

Broad Range of Dimmer Capability - Leading Edge, Trailing Edge and Non-Traditional R, R-C and R-L Types -

Automatic Detection of Dimmer Type

1% to 100% Wide Dimming Range

Automatically Detects and Operates without Dimmer

Quasi-resonant Mode for Optimal Efficiency - 85% (Without Dimmer)

Low 10µA Start-Up Current

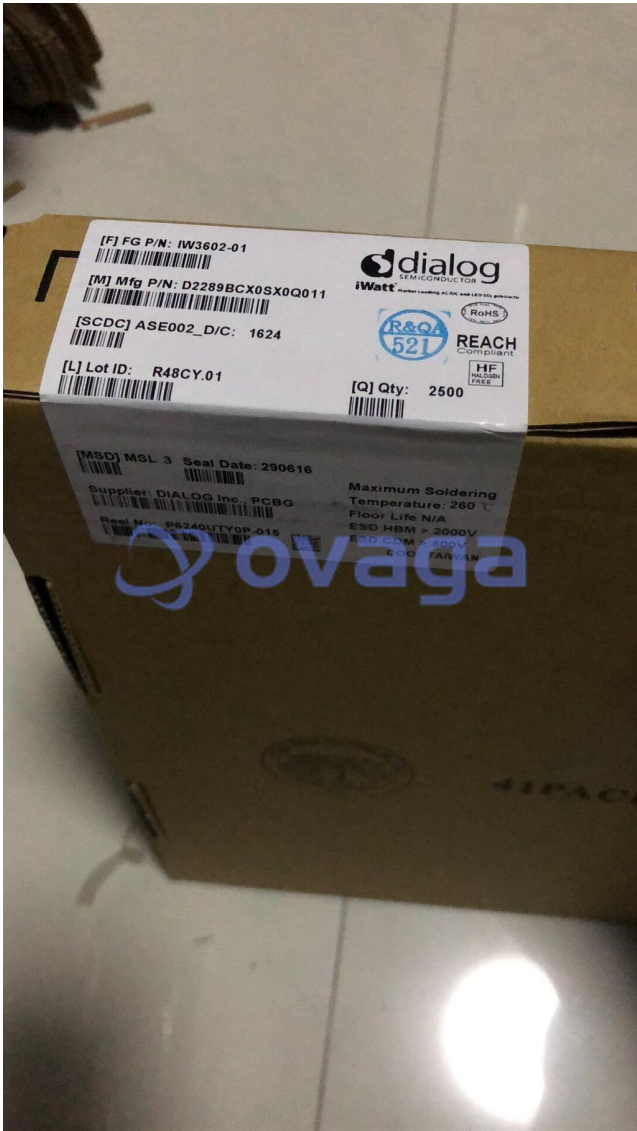
Fully Protected for Temperature, Sense Resistor Short Circuits, LED Open and Short Circuits and Overvoltage Conditions

LED Temperature Protection - External NTC Input to Reduce Drive to LEDs in Over-temperature Condition

Application

3W-10W Solid State Lighting Applications

Dimmable LED Luminaires



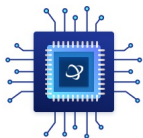
Related Products



[iW1677-00](#)
 Renesas Technology Corp
 SOT-23-6



[iW3620-00](#)
 Renesas Technology Corp
 SOP-8



[iW1816-20-S07](#)
 Renesas Technology Corp



[iW1760B-00](#)
 Renesas Technology Corp
 SOP-8



[iW1760-01](#)
 Renesas Technology Corp
 SOP8



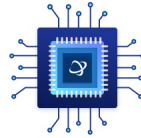
[iW1691-03](#)
 Renesas Technology Corp
 SOP-8



[iW3623-00](#)

Renesas Technology Corp

SOP-14



[iW657P](#)

Renesas Technology Corp