

Digital PWM Constant Current Controller for AC/DC LED Driver to 40W

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



Images are for reference only

Please submit RFQ for iW3620-00 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Single-stage LED lighting up to 40W

The iW3620 is a high performance AC/DC power supply controller for applications up to 40W of output power, optimized for driving LEDs from an AC supply voltage. Designed to operate from a universal input voltage range of 85VAC to 264VAC, the iW3620 can be used across all voltage standards worldwide.

The iW3620 uses Dialog's proprietary PrimAccurate™ primary-side control technology, minimizing the external component count by removing the need for both the traditional opto-isolator and external compensation components, reducing solution size and cost. The device operates in quasi-resonant mode in order to optimize efficiency at heavy loads and uses pulse-by-pulse waveform analysis to offer loop response characteristics superior to traditional off-line solutions. The iW3620 is fully protected and incorporates Dialog's EZ-EMI® technology to facilitate EMI management in the end application, giving the end user an easy-to-design and robust solution for solid state lighting.

Application: Single-Stage LED Lighting up to 40W

Features

PrimAccurate™ - Isolated Offline AC/DC Controller

EZ-EMI Design to Easily Meet Global EMI Specifications

Ideal for Offline LED Applications up to 40W

Universal Input Power Supply Range - 85V_{AC} to 264V_{AC}

Up to 130kHz Switching Frequency, Enables Small Adapters

Quasi-resonant Mode for Optimal Efficiency

Low 10μA Start-Up Current

Programmable Over-temperature Protection - External NTC Thermistor

Built-in Output Overvoltage Protection

Sense Resistor Short Circuit Protection

Open Circuit Protection

Application

Solid State Lighting

40W LED Luminaires



Related Products



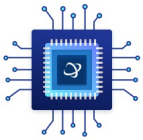
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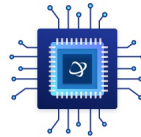
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