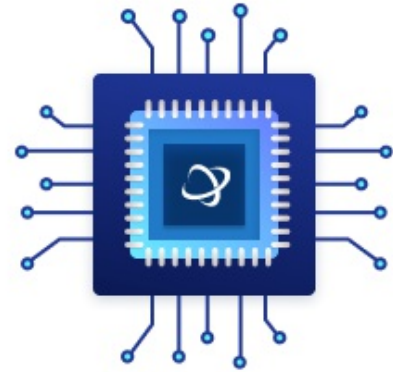


Manufacturers	Infineon Technologies Corporation
Package/Case	
Product Type	
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ICL8105 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ICL8105 is a high performance configurable single-stage flyback controller with Power Factor Correction (PFC) for constant output current LED driver. The digital core of the ICL8105 and its advanced control algorithms provide multi operation modes such as quasi resonant mode, discontinuous conduction mode or active burst mode. With this functionality and smooth transition between the operation modes, the controller delivers high efficiency, high power factor and low harmonic distortion through the entire load range. The optional active burst mode control scheme significantly extends the dimming range and is aligned to the line frequency avoiding effects like flicker or shimmer while also reducing audible noise.

Supports AC and DC input

AC input voltage 90–305 VAC

Highly accurate primary side control with wide output range

High output current accuracy

Efficiency up to 91 %

High power quality, typical power factor up to 0.9 and THD < 10%

Integrated 600 V startup cell

Digital parameter setting

All relevant error conditions are monitored and protected

Undervoltage

Overvoltage

Open load

Output shorted

Smooth operation with extended dimming capability

Fast engineering and simplified variant handling in production

Isolated 0-10 V dimming with configurable dimming curve

Intelligent thermal management

Small BoM due to primary side control and high level of integration

LED Drivers

XDP™ OTP Production Burner for ICL8105

released by MikroElektronika

Features

Supports AC and DC input

AC input voltage 90–305 VAC

Highly accurate primary side control with wide output range

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Application

LED Drivers

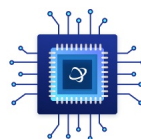
Related Products



[ICE3AR1080JG](#)

Infineon Technologies Corporation

SOP-12



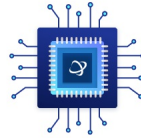
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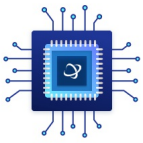
[ICL8002G](#)

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[TLE5045ICR050](#)

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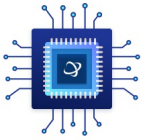
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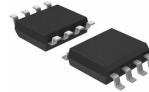
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