



Raffar
Technology Corp.

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RT7601

1-channel Constant Current LED driver IC with breathing function

2019 / 03

Version: 0.1 (Preliminary)

Description

RT7601 is a 1-channel LED driver IC with breathing and flickering function. It is easy to use two pins of RT7601 (IN&IN1) to identify 3 function modes (full on, breath and flicker).

This is a very simple and cost effective for any LED indicator or flashing design. Design helps to resolve common challenges for end equipment with complicated lighting patterns and constant voltage supply.

Features

- Operating supply voltage: 3.3 V ~ 5.5 V
- Constant current output: 4.7 mA (typ.)
- Output voltage: 10 V (max.)
- 8 bit PWM grayscale (Breathing mode)
- Operating temperature: 0 °C ~ +85 °C

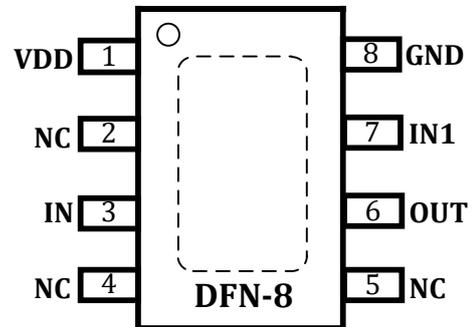
Application

Indicator light
Flashing light
Consumer products

Purchase Information

No.	Part No.	Package
1	RT7601BD	Bare Die
2	RT7601DN	DFN8

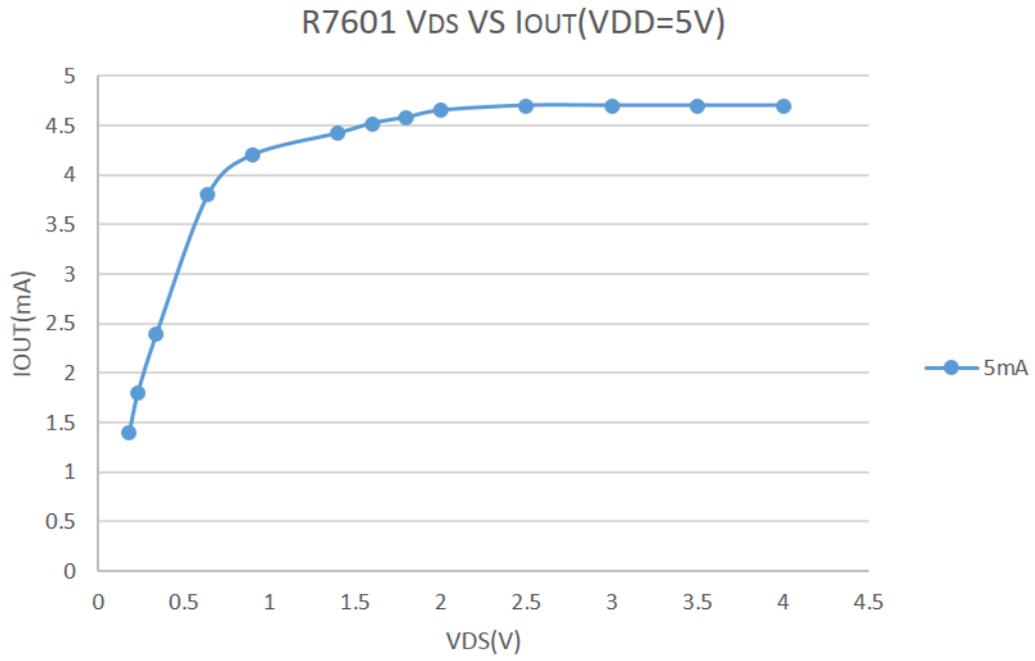
Pin Assignment



Pin No.	Pin Name	Description
1	VDD	Supply voltage
2	NC	Reserved (floating)
3	IN	Breathing setting
4	NC	Reserved (floating)
5	NC	Reserved (floating)
6	OUT	Current Output
7	IN1	Breathing setting
8	GND	Ground terminal

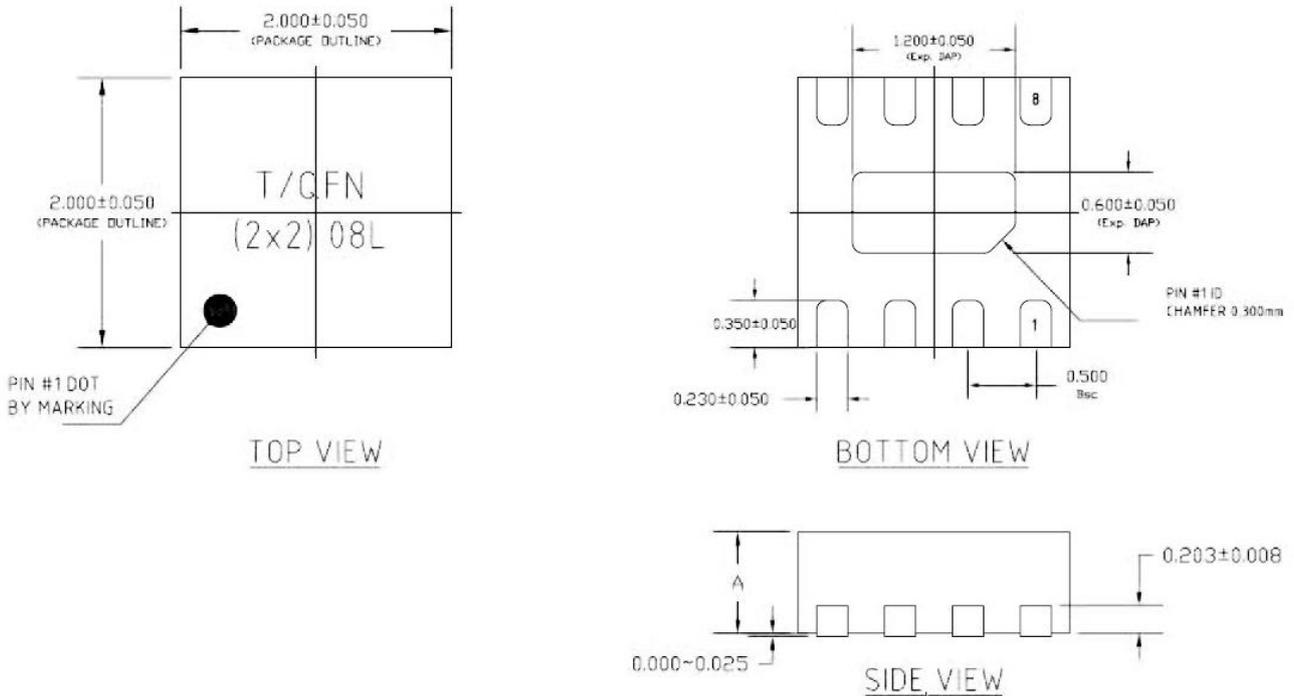


Output Current Curve



Package Outline Dimension

DFN8 Dimension



Symbol	Millimeters (mm)		
	Min.	Nom.	Max.
A	0.7	0.75	0.8

Note

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