

Product Overview

LV52204MT: LED Boost Driver with PWM and 1-Wire Dimming

For complete documentation, see the data sheet.

The LV52204MT is a high voltage boost driver for LED drive. LED current is set by the external resistor R1 and LED dimming can be done by changing FB voltage with PWM or 1-Wire.

Features

- Operating Voltage from 2.7V to 5.5V
- Integrated 40V MOSFET
- 1-Wire 32 level digital and PWM dimming
- 600kHz Switching Frequency

Benefits

- Wide operating input voltage range for hand held equipment
- White LED can do series connection till 10 pcs.
- The LED's current can do 32 phases adjustment
- Small inductor is available

Applications

- LED Display Backlight Control

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Topology	V _{IN} Min (V)	V _{IN} Max (V)	V _O Max (V)	I _O Max (mA)	f _{sw} Typ (kHz)	Package Type
LV52204MTTBG	0.1927	Pb-free Halide free	Active	Step-Up	2.7	5.5	37	20	600	WDFN-6

For more information please contact your local sales support at www.onsemi.com.

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