

Manufacturers	Infineon Technologies Corporation
Package/Case	DC0831
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TLE52052G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

TLE52052G is a type of integrated circuit (IC) developed by Infineon Technologies. It is a dual-channel low-side driver IC designed to drive inductive loads such as solenoid valves, relays, and DC motors. The IC is commonly used in automotive and industrial applications.

Features

Dual-channel low-side driver with 2 A output current capability per channel

Wide operating voltage range: 4.5 V to 42 V

Overtemperature protection

Short-circuit protection

ESD protection

Sleep mode for low power consumption

Diagnostic feedback signals

Application

Automotive: Powertrain, body, and comfort systems, such as window lifters, sunroofs, seat adjusters, and HVAC (heating, ventilation, and air conditioning) systems.

Industrial: Factory automation, robotics, and machinery control, such as valve and pump control, conveyor belt control, and motor control.



Related Products



[TLE4262](#)

Infineon Technologies Corporation
SOP14



[TLE8242-2L](#)

Infineon Technologies Corporation
LQFP64



[TLE8209-1E](#)

Infineon Technologies Corporation
HSOP-20



[TLE72092R](#)

Infineon Technologies Corporation
HSOP20



[TLE7183QU](#)

Infineon Technologies Corporation
PG-TQFP-48



[TLE4961-1M](#)

Infineon Technologies Corporation
SOT23-3



[TLE8457CLE](#)

Infineon Technologies Corporation



[TLE5216G](#)

Infineon Technologies Corporation
HSOP-20