

5-A H-Bridge for DC-Motor Applications, Motor / Motion Controllers & Drivers 5-A H-Bridge DC-MOTORAPPS 40V 6A

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	PG-DSO-20
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for TLE5205-2GP or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

TLE5205-2GP is a dual H-bridge motor driver integrated circuit (IC) manufactured by Infineon Technologies. It is specifically designed to drive two DC motors or one stepper motor, making it suitable for various motor control applications.

## Features

Dual H-bridge motor driver: Can drive two DC motors or one stepper motor

Wide operating voltage range: 4.5V to 45V

Maximum continuous output current per channel: 2.5A

Peak output current per channel: 5A

Internal thermal shutdown: Protects the device from overheating

Short-circuit protection: Protects the device from short-circuit conditions

Under-voltage lockout: Prevents the device from operating below the specified voltage level

PWM frequency range: 2kHz to 50kHz

## Application

Robotics: Control of motors in robotic systems

Automotive: Control of motors in automotive applications, such as power windows, mirrors, and seats

Industrial: Control of motors in industrial equipment, such as conveyor belts and pumps

Home appliances: Control of motors in home appliances, such as washing machines and vacuum cleaners





## Related Products



### [TLE4264-2G](#)

Infineon Technologies Corporation  
SOT-223



### [TLE4266G](#)

Infineon Technologies Corporation  
SOT-223



### [TLE4726G](#)

Infineon Technologies Corporation  
P-DSO-24



### [TLE6282G](#)

Infineon Technologies Corporation  
SOP-20



### [TLE4271-2G](#)

Infineon Technologies Corporation  
TO-263



### [TLE4208G](#)

Infineon Technologies Corporation  
SOP-28



### [TLE7182EM](#)

Infineon Technologies Corporation  
SSOP24



### [TLE8386-2EL](#)

Infineon Technologies Corporation  
SOP-14