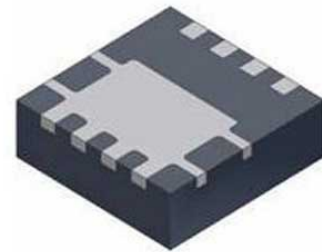


Power Driver ICs H-Bridge 13mOhm Automotive VIPower

Manufacturers	STMicroelectronics, Inc
Package/Case	PowerSSO-36
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for VNH7013XPTR-E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The VNH7013XPTR-E is a full-bridge motor driver IC designed to control small to medium-sized DC motors.

Features

Full-Bridge Configuration: The VNH7013XPTR-E can drive a DC motor in both directions by using a full-bridge topology.

Low On-Resistance: It has low $R_{ds(on)}$ (on-resistance) for efficient motor control and reduced power dissipation.

Overcurrent and Thermal Protection: The IC incorporates built-in protections to prevent damage due to overcurrent and overheating conditions.

Undervoltage Lockout (UVLO): It includes an undervoltage lockout circuit to ensure proper operation only when the supply voltage is within the specified range.

PWM (Pulse Width Modulation) Control: The motor speed can be controlled by applying a PWM signal to the appropriate pins of the IC.

Application

Motor Control: Suitable for controlling small to medium-sized DC motors in various applications, including robotics, automotive systems, consumer electronics, and industrial equipment.

Related Products



[VN750PTTR-E](#)

STMicroelectronics, Inc
TO-252



[VNB35NV04](#)

STMicroelectronics, Inc
D2PAK



[VN750S-E](#)

STMicroelectronics, Inc
SOP-8



[VNQ5E250AJ-E](#)

STMicroelectronics, Inc
HSSOP-16



[VN610SP](#)

STMicroelectronics, Inc
SOP-10



[VN340SPTR-E](#)

STMicroelectronics, Inc
PowerSO-12



[VN808-E](#)

STMicroelectronics, Inc
SOP36



[VND5N07-E](#)

STMicroelectronics, Inc
TO-252