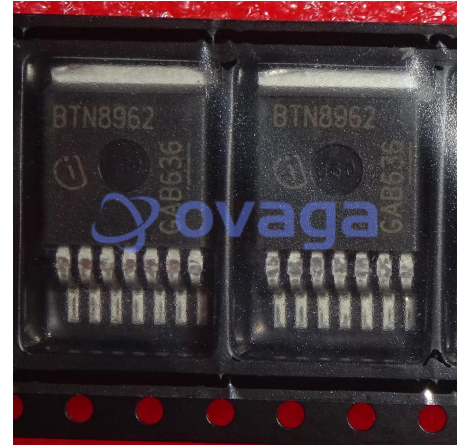


Half Bridge Motor Driver Automotive 8-Pin(7+Tab) TO-263 T/R

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	TO-263-
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for BTN8962TAAUMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The BTN8962TA is an integrated high current half bridge for motor drive applications. It is part of the NovalithIC™ family containing one p-channel highside MOSFET and one n-channel lowside MOSFET with an integrated driver IC in one package. Due to the p-channel highside switch the need for a charge pump is eliminated thus minimizing EMI. Interfacing to a microcontroller is made easy by the integrated driver IC which features logic level inputs, diagnosis with current sense, slew rate adjustment, dead time generation and protection against overtemperature, undervoltage, overcurrent and short circuit.

The BTN8962TA provides a cost optimized solution for protected high current PWM motor drives with very low board space consumption.

## Features

## Application

Path resistance of max. 30.3 mΩ @ 150 °C (typ. 14.2 mΩ @ 25 °C)

High Side: max. 13.4 mΩ @ 150 °C (typ. 6.7 mΩ @ 25 °C)

Low Side: max. 16.9 mΩ @ 150 °C (typ. 7.5 mΩ @ 25 °C)

Enhanced switching speed for reduced switching losses

Capable for high PWM frequency combined with active freewheeling

Low quiescent current of typ. 7 μA @ 25 °C

Switched mode current limitation for reduced power dissipation in overcurrent

Current limitation level of 30 A min.

Status flag diagnosis with current sense capability

Overtemperature shut down with latch behaviour

Undervoltage shut down

Driver circuit with logic level inputs

Adjustable slew rates for optimized EMI

Operation up to 40V

Green Product (RoHS compliant)

AEC Qualified

Potential Applications

The many protection and diagnosis features of the NovalithICTM device BTN8962TA make it ideal for security relevant applications, like electronic parking brake, active suspension control, fuel pumps. Due to its durability and ease-of-use NovalithICTM BTN8962TA can be also used for T-Case.



## Related Products



### [BT60302EKAXUMA1](#)

Infineon Technologies Corporation  
SOP-14



### [BT6030-1ERA](#)

Infineon Technologies Corporation  
SOP14



### [BT707](#)

Infineon Technologies Corporation  
DSO-20



### [BT660P](#)

Infineon Technologies Corporation  
TO-263-7



**[BTS7750GP](#)**

Infineon Technologies Corporation  
D2PAK-15



**[BTS640S2](#)**

Infineon Technologies Corporation  
TO220-7



**[BTM7710GP](#)**

Infineon Technologies Corporation  
P-TO-263-15



**[BTS737S3](#)**

Infineon Technologies Corporation  
SOP-28