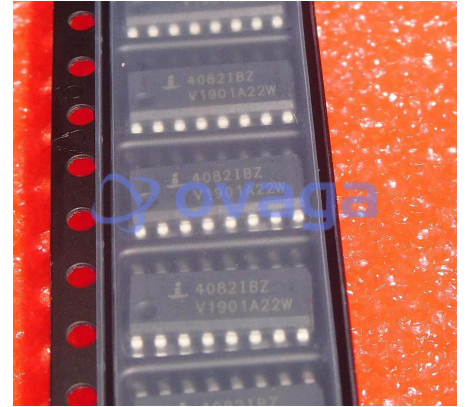


80V/1.25A Peak Current Full Bridge FET Driver; Temperature Range: -40°C to 85°C;
Package: 16-SOIC T&R

Manufacturers	Renesas Technology Corp
Package/Case	SOIC-16
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HIP4082IBZT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HIP4082 is a medium frequency, medium voltage H-Bridge N-Channel MOSFET driver IC, available in 16 lead plastic SOIC (N) and DIP packages. Specifically targeted for PWM motor control and UPS applications, bridge based designs are made simple and flexible with the HIP4082 H-bridge driver. With operation up to 80V, the device is best suited to applications of moderate power levels. Similar to the HIP4081, it has a flexible input protocol for driving every possible switch combination except those which would cause a shoot-through condition. The HIP4082's reduced drive current allows smaller packaging and it has a much wider range of programmable dead times (0.1 to 4.5µs) making it ideal for switching frequencies up to 200kHz. The HIP4082 does not contain an internal charge pump, but does incorporate non-latching level-shift translation control of the upper drive circuits. This set of features and specifications is optimized for applications where size and cost are important. For applications needing higher drive capability the HIP4080A and HIP4081A are recommended.

Features

Independently Drives 4 N-Channel FET in Half Bridge or Full Bridge Configurations

Bootstrap Supply Max Voltage to 95VDC

Drives 1000pF Load in Free Air at 50°C with Rise and Fall Times of Typically 15ns

User-Programmable Dead Time (0.1 to 4.5µs)

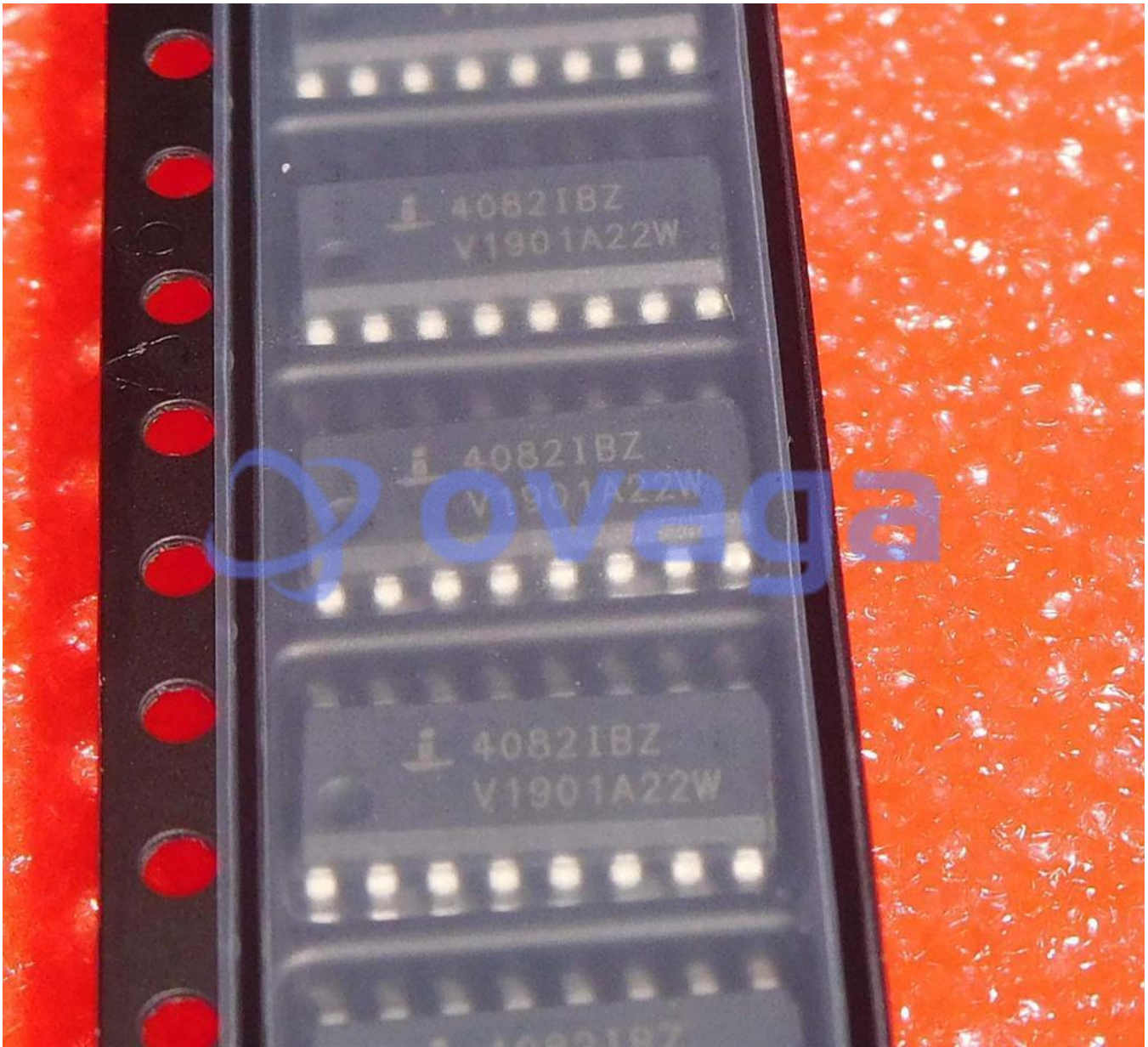
DIS (Disable) Overrides Input Control and Refreshes Bootstrap Capacitor when Pulled Low

Input Logic Thresholds Compatible with 5V to 15V Logic Levels

Shoot-Through Protection

Undervoltage Protection

Pb-free Available





Related Products



[HIP4080AIBZT](#)

Renesas Technology Corp
SOIC-20



[HIP4086ABZ](#)

Renesas Technology Corp
SOIC-24



[HIP4086AB](#)

Renesas Technology Corp
SOIC-24



[HIP4081AIPZ](#)

Renesas Technology Corp
PDIP-20



HIP4080AIB

Renesas Technology Corp
SOP-20



HIP2101BZT

Renesas Technology Corp
SOIC-8



HIP2100IBZ

Renesas Technology Corp
SOIC-8



HIP4080AIP

Renesas Technology Corp
DIP-20