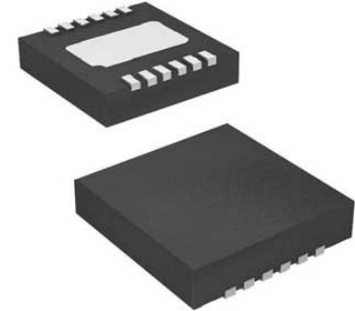


MOSFET DRVR 100V 4A 2Out Hi/Lo Side Half Brdg Non-Inv 12Pin DFN EP

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	DFN-12
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ISL2111AR4Z or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ISL2110, ISL2111 are 100V, high frequency, half-bridge N-Channel power MOSFET driver ICs. They are based on the popular HIP2100, HIP2101 half-bridge drivers, but offer several performance improvements. Peak output pull-up/pull-down current has been increased to 3A/4A, which significantly reduces switching power losses and eliminates the need for external totem-pole buffers in many applications. Also, the low end of the VDD operational supply range has been extended to 8VDC. The ISL2110 has additional input hysteresis for superior operation in noisy environments and the inputs of the ISL2111, like those of the ISL2110, can now safely swing to the VDD supply rail. The ISL2110, ISL2111 are 100V, high frequency, half-bridge N-Channel power MOSFET driver ICs. They are based on the popular HIP2100, HIP2101 half-bridge drivers, but offer several performance improvements. Peak output pull-up/pull-down current has been increased to 3A/4A, which significantly reduces switching power losses and eliminates the need for external totem-pole buffers in many applications. Also, the low end of the VDD operational supply range has been extended to 8VDC. The ISL2110 has additional input hysteresis for superior operation in noisy environments and the inputs of the ISL2111, like those of the ISL2110, can now safely swing to the VDD supply rail.

## Features

Drives N-Channel MOSFET half-bridge

SOIC, DFN, and TDFN package options

SOIC, DFN, and TDFN packages compliant with 100V conductor spacing guidelines per IPC-2221

Pb-free (RoHS compliant)

Bootstrap supply max voltage to 114VDC

On-chip 1W bootstrap diode

Fast propagation times for multi-MHz circuits

Drives 1nF load with typical rise/fall times of 9ns/7.5ns

CMOS compatible input thresholds (ISL2110)

3.3V/TTL compatible input thresholds (ISL2111)

Independent inputs provide flexibility

No start-up problems

Outputs unaffected by supply glitches, HS ringing below ground or HS slewing at high dv/dt

Low power consumption

Wide supply voltage range (8V to 14V)

Supply undervoltage protection

1.6W/1W typical output pull-up/pull-down resistance

## Related Products



### [ISL6262ACRZ](#)

Renesas Technology Corp  
QFN-48



### [ISL6294IRZ-T](#)

Renesas Technology Corp  
QFN-8



### [ISL21080CIH315Z-TK](#)

Renesas Technology Corp  
SOT-23-3



### [ISL6506BCBZ](#)

Renesas Technology Corp  
SOP-8



[ISL6377HRZ-T](#)

Renesas Technology Corp

QFN-48



[ISL62771HRTZ-T](#)

Renesas Technology Corp

40-WFQFN Exposed Pad



[ISL62771HRTZ](#)

Renesas Technology Corp

QFN40



[ISL95808HRZ-T](#)

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DFN-8