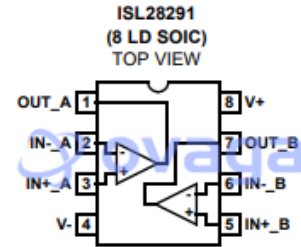


Single and Dual Ultra-Low Noise, Rail-to-Rail, Op Amp; Temperature Range: Full-Range Ind; Package: 8-SOIC

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	SOP8
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for ISL28291FBZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ISL28191 and ISL28291 are tiny single and dual ultra-low noise, ultra-low distortion operational amplifiers. They are fully specified to operate down to +3V single supply. These amplifiers have outputs that swing rail-to-rail and an input common mode voltage that extends to ground (ground sensing). The ISL28191 and ISL28291 are unity gain stable with an input referred voltage noise of 1.7nV/ $\sqrt{\text{Hz}}$ . Both parts feature 0.00018% THD+N at 1kHz. The ISL28191 is available in the space-saving 6 Ld UTDFN (1.6mmx1.6mm) and 6 Ld SOT-23 packages. The ISL28291 is available in the 8 Ld SOIC, 10 Ld 1.8mmx1.4mm UTQFN and 10 Ld MSOP packages. All devices are guaranteed over -40°C to +125°C.

## Features

1.7nV/ $\sqrt{\text{Hz}}$  input voltage noise at 1kHz

1kHz THD+N typical 0.00018% at 2V

P-P

OUT

Harmonic Distortion -76dBc, -70dBc,>

61MHz -3dB bandwidth

630 $\mu\text{V}$  maximum offset voltage

3 $\mu\text{A}$  input bias current

100dB typical CMRR

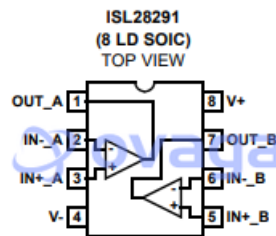
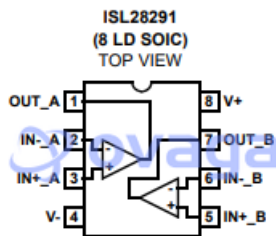
3V to 5.5V single supply voltage range

Rail-to-rail output

Ground sensing

Enable pin (not available in the 8 Ld SOIC package option)

Pb-free (RoHS compliant)



## Related Products



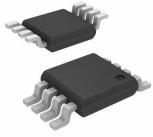
[ISL59446IRZ](#)

Renesas Technology Corp  
QFN-32



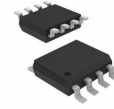
[ISL28006FH100Z-T7](#)

Renesas Technology Corp  
SOT-23



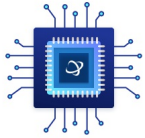
[ISL28233FUZ](#)

Renesas Technology Corp  
MSOP-8



[ISL28110FBZ](#)

Renesas Technology Corp  
SOP8



[ISL59837IAZ-T7](#)

Renesas Technology Corp  
ISL59837IAZ PB-FREE TRUE SINGLE SUPPLY VIDEO DRIVE



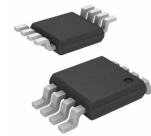
[EL5166ISZ](#)

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[ISL28118MUZ-T13](#)

Renesas Technology Corp  
8-MSOP



[ISL28118MUZ-T7A](#)

Renesas Technology Corp  
MSOP-8