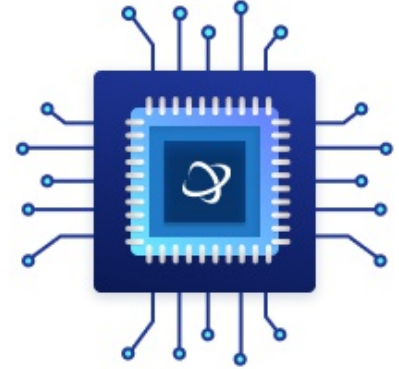


200MHz Single Supply Video Driver With Charge Pump and Power Down

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	ISL59837IAZ PB-FREE TRUE SIGNLE SUPPLY VIDEO DRIVE
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ISL59837IAZ-T7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ISL59837 is a revolutionary device that allows true singlesupply operation of video amplifiers. Designed for systems requiring output swing below ground but lacking a negative power supply, the ISL59837 generates the required negative rail internally from a +3.3V power supply. This allows for DC-accurate coupling of video onto a 75Ω double-terminated line. The buffers have an integrated 6dB, eliminating the need for external gain-setting resistors. An external reference voltage can be applied to the REF pin to shift the analog video level down by the desired amount. The charge pump and amplifiers can be placed in a power down mode, consuming less than 1mA of current.

## Features

Triple single-supply buffer

Generates negative rail from from single +3.3V supply

No output DC blocking capacitor needed

200MHz -3dB bandwidth

50MHz 0.1dB bandwidth

Fixed gain of 2 output buffer

Charge pump power down function (0.1mA typical)

Outputs are high impedance in power-down mode

Amplifier enable/disable function control

Pb-free plus anneal available (RoHS compliant)

## Related Products



### [ISL59446IRZ](#)

Renesas Technology Corp  
QFN-32



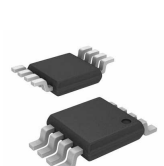
### [ISL28006FH100Z-T7](#)

Renesas Technology Corp  
SOT-23



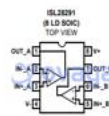
### [ISL28110FBZ](#)

Renesas Technology Corp  
SOP8



### [ISL28118MUZ-T13](#)

Renesas Technology Corp  
8-MSOP



### [ISL28291FBZ](#)

Renesas Technology Corp  
SOP8



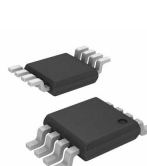
### [ISL28233FUZ](#)

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MSOP-8



### [EL5166ISZ](#)

Renesas Technology Corp  
SOIC-8



### [ISL28118MUZ-T7A](#)

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