

INTERSIL ISL28006FH100Z-T7 Current Sense Amplifier, Micropower, 1 Amplifier, 7 μ A, SOT-23, 5Pins, -40°C, 125°C

Manufacturers	Renesas Technology Corp
Package/Case	SOT-23
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for ISL28006FH100Z-T7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ISL28006 is a micropower, uni-directional high-side and low-side current sense amplifier featuring a proprietary rail-to-rail input current sensing amplifier. The ISL28006 is ideal for high-side current sense applications where the sense voltage is usually much higher than the amplifier supply voltage. The device can be used to sense voltages as high as 28V when operating from a supply voltage as low as 2.7V. The micropower ISL28006 consumes only 50 μ A of supply current when operating from a 2.7V to 28V supply. The ISL28006 features a common-mode input voltage range from 0V to 28V. The proprietary architecture extends the input voltage sensing range down to 0V, making it an excellent choice for low-side ground sensing applications. The benefit of this architecture is that a high degree of total output accuracy is maintained over the entire 0V to 28V common mode input voltage range. The ISL28006 is available in fixed (100V/V, 50V/V, 20V/V and Adjustable) gains in the space saving 5 Ld SOT-23 package and the 6 Ld SOT-23 package for the adjustable gain part. The parts operate over the extended temperature range from -40°C to +125°C.

Features

Low Power Consumption: 50 μ A, Typ

Supply Range: 2.7V to 28V

Wide Common Mode Input: 0V to 28V

Gain Versions

ISL28006-100: 100V/V

ISL28006-50: 50V/V

ISL28006-20: 20V/V

ISL28006-ADJ: ADJ (Min>

Operating Temperature Range: -40°C to +125°C

Packages: 5 Ld SOT-23, 6 Ld SOT-23

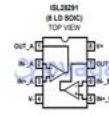


Related Products



[ISL59446IRZ](#)

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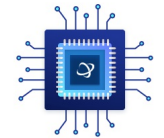
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