

1-Channel Single ADC Dual Slope 3sps 3 1/2Digit LED 40-Pin PDIP

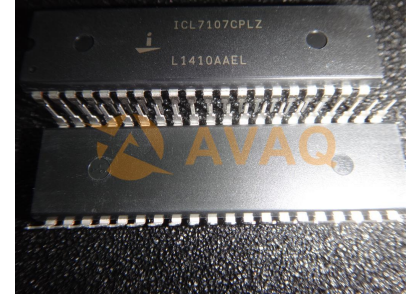
Manufacturer: [Renesas Technology Corp](#)

Package/Case: DIP

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The Intersil ICL7106 and ICL7107 are high performance, low power, 3 1/2 digit A/D converters. Included are seven segment decoders, display drivers, a reference, and a clock. The ICL7106 is designed to interface with a liquid crystal display (LCD) and includes a multiplexed backplane drive; the ICL7107 will directly drive an instrument size light emitting diode (LED) display. The ICL7106 and ICL7107 bring together a combination of high accuracy, versatility, and true economy. It features autozero to less than 10 μ V, zero drift of less than 1 μ V/oC, input bias current of 10pA (Max), and rollover error of less than one count. True differential inputs and reference are useful in all systems, but give the designer an uncommon advantage when measuring load cells, strain gauges and other bridge type transducers. Finally, the true economy of single power supply operation (ICL7106), enables a high performance panel meter to be built with the addition of only 10 passive components and a display.

Key Features

Guaranteed zero reading for 0V input on all scales

True polarity at zero for precise null detection

1pA typical input current

Low noise of less than 15 μ V (peak to peak)

Typical conversion rate of 3SPS

Designed to work from \pm 5V supply

Low power dissipation of typically less than 10mW

No additional active circuits required

Enhanced display stability

Operating temperature range from 0°C to 70°C



Recommended For You

ICM7218BIJI

Renesas Technology Corp
DIP

ICM7211AMIPLZ

Renesas Technology Corp
DIP

ICM7211AMIPL

Renesas Technology Corp
DIP

ICM7212AIPL

Renesas Technology Corp
DIP40

ICL7106CPLZ

Renesas Technology Corp
DIP

ICM7244AIM44Z

Renesas Technology Corp
QFP

CA3224E

Renesas Technology Corp
DIP

TW8832S-LB1-CR

Renesas Technology Corp
QFP80

TW8811-LD2-GR

Renesas Technology Corp
QFP

ISL24003IRZ

Renesas Technology Corp
QFN

EL5000AERZ-T13

Renesas Technology Corp
TSSOP

TW8827-TA3-GR

Renesas Technology Corp
QFP48

ISL58315CRIZ-T7A

Renesas Technology Corp
QFN40

TW8816-LB3-GRS

Renesas Technology Corp
QFP128

ISL45042IRZ-T

Renesas Technology Corp
TDFN-8