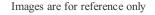


ISL55001IBZ

Video Amp Single 70MHz±15V 30V 8-Pin SOIC N Tube

Manufacturer:	Renesas Technology Corp
Package/Case:	SOP-8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free With
Lifecycle:	Active





Inquiry

General Description

The ISL55001 is a high speed, low power, low cost monolithic operational amplifier. The ISL55001 is unity-gain stable and features a 300V/ μ s slew rate and 220MHz bandwidth while requiring only 9mA of supply current. The power supply operating range of the ISL55001 is from \pm 15V down to \pm 2.5V. For single-supply operation, the ISL55001 operates from 30V down to 5V. The ISL55001 also features an extremely wide output voltage swing of -12.75V/+13.4V with VS = \pm 15V and RL = 1k Ω . At a gain of +1, the ISL55001 has a -3dB bandwidth of 220MHz with a phase margin of 50°. Because of its conventional voltage-feedback topology, the ISL55001 allows the use of reactive or non-linear elements in its feedback network. This versatility combined with low cost and 140mA of output-current drive makes the ISL55001 an ideal choice for price-sensitive applications requiring low power and high speed. The ISL55001 is available in an 8 Ld SO package and specified for operation over the full -40°C to +85°C temperature range.

Key Features

9mA at VS=±15V Low supply current 75ns to 0.1% for a 10V step Fast settling 18μV/°C Average offset voltage drift 0.01% Differential gain 0.05° Differential phase



Recommended For You

ISL40891BZ Renesas Technology Corp SOP-8

ISL59112IEZ-T7 Renesas Technology Corp SC70-6

EL5100IS-T13 Renesas Technology Corp SOP8

ISL59830IAZ Renesas Technology Corp SSOP-16

ISL1534IVFZ Renesas Technology Corp TSSOP20 ISL550011BZ-T7 Renesas Technology Corp SOP8

ISL59833IAZ-T7 Renesas Technology Corp QSOP16

EL5172ISZ-T13 Renesas Technology Corp SOP8

EL5162IS Renesas Technology Corp SOP

ISL28534FVZ-T13 Renesas Technology Corp TSSOP-14 EL52031S Renesas Technology Corp

SOP-8

EL5172ISZ

Renesas Technology Corp SOP-8

ISL28274FAZ Renesas Technology Corp SSOP-16P

ISL28533FVZ Renesas Technology Corp TSSOP

EL5173ISZ Renesas Technology Corp SOP-8