EL5166ISZ

Data Sheet

Operational Amplifier, Single, 1 Amplifier, 1.4 GHz, 6000 V/µs, 5V to 12V, SOIC, 8 Pins

Manufacturers	Renesas Technology Corp
Package/Case	SOIC-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for EL5166ISZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The EL5166 and EL5167 amplifiers are of the current feedback variety and exhibit a very high bandwidth of 1.4GHz at = +2. This makes these amplifiers ideal for today's high speed video and monitor applications, as well as a number of RF and IF frequency designs. With a supply current of just 8.5mA and the ability to run from a single supply voltage from 5V to 12V, these amplifiers offer very high performance for little power consumption. The EL5166 also incorporates an enable and disable function to reduce the supply current to 13µA typical per amplifier. Allowing the CE pin to float or applying a low logic level will enable the amplifier. The EL5167 is offered in the 5 Ld SOT-23 package and the EL5166 is available in the 6 Ld SOT-23 as well as the industry-standard 8 Ld SOIC packages. Both operate over the industrial temperature range of -40°C to +85°C.

Features

Gain-of-1 = 800MHz

6000V/µs slew rate

Single and dual supply operation from 5V to 12V

Low>

8.5mA supply current

Fast enable/disable (EL5166 only)

600MHz family - (EL5164 and EL5165)

400MHz family - (EL5162 and EL5163)

200MHz family - (EL5160 and EL5161)

Pb-free available (RoHS compliant)

Related Products

EL5378IUZ

Renesas Technology Corp

QSOP-28

HA1630D06MMEL-E

Renesas Technology Corp

MSOP-8

HA17324AFEL-E

Renesas Technology Corp

SOIC14

EL4543IUZ

Renesas Technology Corp

QSOP24

EL4340IUZ-T7

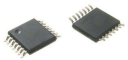
Renesas Technology Corp

QSOP-24

EL4340IUZ

Renesas Technology Corp

SSOP-24



EL5420CRZ

Renesas Technology Corp

TSSOP-14

EL4340IUZ-T13

Renesas Technology Corp

QSOP-24