

700MHz Differential Twisted-Pair Drivers

Manufacturers	Renesas Technology Corp
Package/Case	QSOP-28
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for EL5378IUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The EL5178 and EL5378 are single and triple high bandwidth amplifiers with an output in differential form. They are primarily targeted for applications such as driving twisted-pair lines in component video applications. The inputs can be in either single-ended or differential form but the outputs are always in differential form. On the EL5178 and EL5378, two feedback inputs provide the user with the ability to set the gain of each device (stable at minimum gain of 2). The output common mode level for each channel is set by the associated REF pin, which has a -3dB bandwidth of over 110MHz. Generally, these pins are grounded but can be tied to any voltage reference. All outputs are short-circuit protected to withstand temporary overload condition. The EL5178 is available in 8 Ld MSOP and SOIC packages and EL5378 is available in a 28 Ld QSOP package. All are specified for operation over the full -40°C to +85°C temperature range.

Features

Fully differential inputs, outputs, and feedback

Differential input range $\pm 2.3\text{V}$

700MHz 3dB bandwidth

1000V/ μs slew rate

Low distortion at 5MHz and 20MHz

Single 5V or dual $\pm 5\text{V}$ supplies

60mA maximum output current

Low power - 12.5mA per channel

Pb-free (RoHS compliant)





Related Products



[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



[EL5166ISZ](#)

Renesas Technology Corp
SOIC-8



[EL4340IUZ-T13](#)

Renesas Technology Corp
QSOP-24