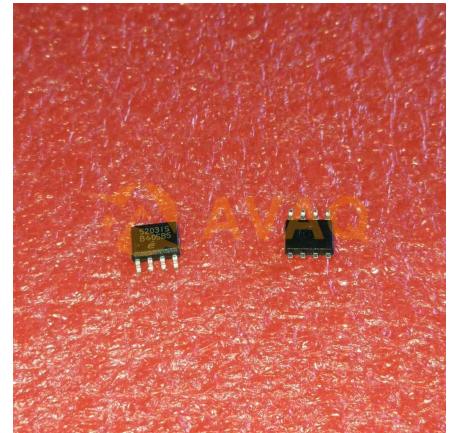


## Video Amp Dual Volt $\pm 6.6\text{V}/13.2\text{V}$ 8-Pin SOIC

<b>Manufacturer:</b>	<a href="#">Renesas Technology Corp</a>
<b>Package/Case:</b>	SOP-8
<b>Product Type:</b>	Amplifier ICs
<b>Lifecycle:</b>	Obsolete



Images are for reference only

[Inquiry](#)

## General Description

The EL5202 and EL5203 are dual, high-speed VFAs based on a CFA architecture. This gives the typical high slew rate benefits of a CFA family along with the stability and ease of use associated with the VFA type architecture. With slew rates of  $3500\text{V}/\mu\text{s}$ , these devices enable the use of voltage feedback amplifiers in a space where the only alternative has been current feedback amplifiers. This family also includes single, dual, and triple versions with  $750\text{MHz}$  bandwidths; please see the EL5104 through EL5304 data sheet for details. Both devices operate on single  $5\text{V}$  or  $\pm 5\text{V}$  supplies from minimum supply current. The EL5202 also features an output enable function, which can be used to put the output in to a high-impedance mode. This allows the outputs of multiple amplifiers to be tied together for use in multiplexing applications. Typical applications for these families include cable driving, filtering, A/D and D/A buffering, multiplexing and summing within video, communications, and instrumentation designs.

## Key Features

Operates off  $3\text{V}$ ,  $5\text{V}$ , or  $\pm 5\text{V}$  supplies

Power-down to  $13\mu\text{A}$  (EL5202)

Low supply current =  $5\text{mA}$  per amplifier

Slew rate =  $3500\text{V}/\mu\text{s}$

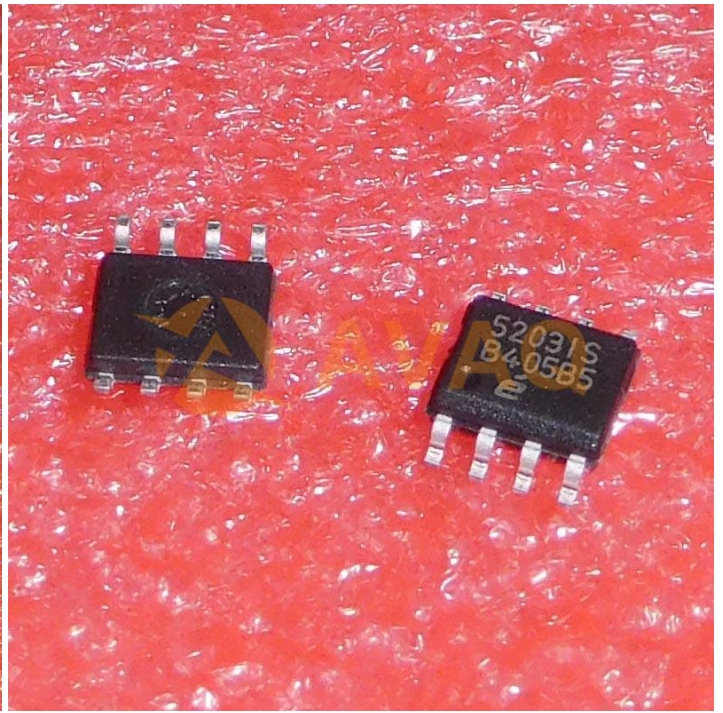
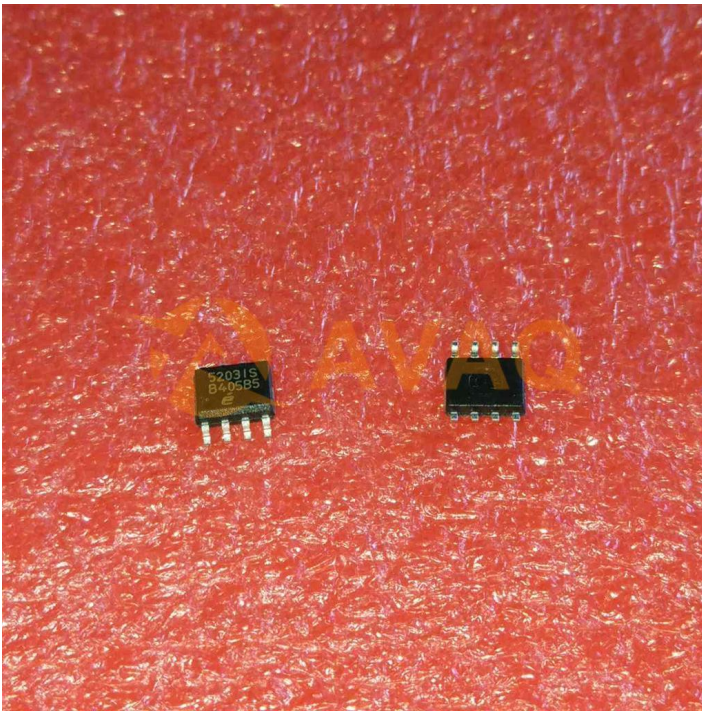
Low offset voltage =  $5\text{mV}$  max

Output current =  $150\text{mA}$

AVOL =  $2000$

Differential gain/phase =  $0.01\%/0.01^\circ$

Pb-free (RoHS compliant)



## Recommended For You

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### **EL2045CN**

Renesas Technology Corp

DIP8

### **EL4093CS**

Renesas Technology Corp

SOP16

### **EL5172IYZ**

Renesas Technology Corp

MSOP8

### **EL2480CS**

Renesas Technology Corp

SOP14

### **EL2186CS**

Renesas Technology Corp

SOP-8

### **EL2280CS**

Renesas Technology Corp

SOP8

### **EL2411CS**

Renesas Technology Corp

SOP14

### **EL5172ISZ**

Renesas Technology Corp

SOP-8

### **EL5204IY**

Renesas Technology Corp

MSOP10

### **EL5372IUZ**

Renesas Technology Corp

SSOP

### **EL5146CSZ**

Renesas Technology Corp

SOP8

### **EL2186CN**

Renesas Technology Corp

DIP8

### **EL5100IS-T13**

Renesas Technology Corp

SOP8

### **EL2286CS**

Renesas Technology Corp

SOP14

### **EL5371IUZ-T7**

Renesas Technology Corp

QSOP28