



# **EL5108IS-T7 Information**



For Reference Only

Part Number EL5108IS-T7

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 450MHZ 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









## **EL5108IS-T7 Specifications**

Manufacturer Part NumberEL5108IS-T7ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-SOIC (0.154", 3.90mm Width)Series-Amplifier TypeGeneral PurposeNumber of Circuits1Output Type-Slew Rate4500 V/μsGain Bandwidth Product3db Bandwidth450MHzCurrent - Input Bias2μAVoltage - Input Offset3mVCurrent - Supply3.7mACurrent - Output / Channel135mAVoltage - Supply, Single/Dual (±)5 V ~ 12 V, ±2.5 V ~ 6 VOperating Temperature-40°C ~ 85°C	•	
CategoryIntegrated Circuits (ICs)Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-SOIC (0.154", 3.90mm Width)Series-Amplifier TypeGeneral PurposeNumber of Circuits1Output Type-Slew Rate4500 V/μsGain Bandwidth Product3db Bandwidth450MHzCurrent - Input Bias2μAVoltage - Input Offset3mVCurrent - Supply3.7mACurrent - Output / Channel135mAVoltage - Supply, Single/Dual (±)5 V ~ 12 V, ±2.5 V ~ 6 V	Manufacturer Part Number	EL5108IS-T7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Manufacturer	Renesas Electronics America
Package 8-SOIC (0.154", 3.90mm Width) Series - Amplifier Type General Purpose Number of Circuits 1 Output Type - Slew Rate 4500 V/ $\mu$ s Gain Bandwidth Product3db Bandwidth 450MHz Current - Input Bias 2 $\mu$ A Voltage - Input Offset 3mV Current - Supply 3.7mA Current - Output / Channel 135mA Voltage - Supply, Single/Dual ( $\pm$ ) 5 V ~ 12 V, $\pm$ 2.5 V ~ 6 V	Category	Integrated Circuits (ICs)
Series		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type General Purpose Number of Circuits 1   Output Type -   Slew Rate $4500 \text{ V/}\mu\text{s}$ Gain Bandwidth Product -   -3db Bandwidth   Current - Input Bias $2\mu\text{A}$ Voltage - Input Offset $3\text{mV}$ Current - Supply $3.7\text{mA}$ Current - Output / Channel   Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$	Package	8-SOIC (0.154", 3.90mm Width)
Number of Circuits 1 Output Type - Slew Rate $4500 \text{ V/}\mu\text{s}$ Gain Bandwidth Product3db Bandwidth $450 \text{MHz}$ Current - Input Bias $2 \mu\text{A}$ Voltage - Input Offset $3 \text{mV}$ Current - Supply $3.7 \text{mA}$ Current - Output / Channel $135 \text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$	Series	-
Output Type - Slew Rate $4500 \text{ V/}\mu\text{s}$ Gain Bandwidth Product 3db Bandwidth $450 \text{MHz}$ Current - Input Bias $2\mu\text{A}$ Voltage - Input Offset $3\text{mV}$ Current - Supply $3.7\text{mA}$ Current - Output / Channel $135\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$	Amplifier Type	General Purpose
Slew Rate $4500 \text{ V/}\mu\text{s}$ Gain Bandwidth Product3db Bandwidth $450 \text{MHz}$ Current - Input Bias $2 \mu\text{A}$ Voltage - Input Offset $3 \text{mV}$ Current - Supply $3.7 \text{mA}$ Current - Output / Channel $135 \text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$	Number of Circuits	1
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Output Type	-
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Slew Rate	4500 V/μs
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Gain Bandwidth Product	-
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	450MHz
Current - Supply 3.7mA  Current - Output / Channel 135mA  Voltage - Supply, Single/Dual $(\pm)$ 5 V ~ 12 V, $\pm 2.5$ V ~ 6 V	Current - Input Bias	2μΑ
Current - Output / Channel 135mA Voltage - Supply, Single/Dual ( $\pm$ ) 5 V $\sim$ 12 V, $\pm$ 2.5 V $\sim$ 6 V	Voltage - Input Offset	3mV
Voltage - Supply, Single/Dual ( $\pm$ ) 5 V ~ 12 V, $\pm$ 2.5 V ~ 6 V	Current - Supply	3.7mA
	Current - Output / Channel	135mA
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Voltage - Supply, Single/Dual (±)	5 V ~ 12 V, ±2.5 V ~ 6 V
	Operating Temperature	-40°C ~ 85°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 8-SOIC (0.154", 3.90mm Width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
Report error		Report errors?

### **EL5108IS-T7 Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## **EL5108IS-T7 Payment Methods**



















### **EL5108IS-T7 Shipping Methods**













If you have any question about EL5108IS-T7, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com