

### **EL2142CSZ Information**



For Reference Only

Part Number EL2142CSZ

ManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP DIFF 200MHZ 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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## **EL2142CSZ Specifications**

Manufacturer Part Number         EL2142CSZ           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Amplifier Type         Differential           Number of Circuits         1           Output Type         -           Slew Rate         400 V/μs           Gain Bandwidth Product         200MHz           -3db Bandwidth         150MHz           Current - Input Bias         6μA           Voltage - Input Offset         10mV           Current - Supply         11mA           Current - Output / Channel         60mA           Voltage - Supply, Single/Dual (±)         6 V ~ 12.6 V, ±3 V ~ 6.3 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC		
Category   Integrated Circuits (ICs)   Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps	Manufacturer Part Number	EL2142CSZ
Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps         Package       8-SOIC (0.154", 3.90mm Width)         Series       -         Amplifier Type       Differential         Number of Circuits       1         Output Type       -         Slew Rate       400 V/μs         Gain Bandwidth Product       200MHz         -3db Bandwidth       150MHz         Current - Input Bias       6μA         Voltage - Input Offset       10mV         Current - Supply       11mA         Current - Output / Channel       60mA         Voltage - Supply, Single/Dual (±)       6 V ~ 12.6 V, ±3 V ~ 6.3 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       8-SOIC (0.154", 3.90mm Width)         Supplier Device Package       8-SOIC	Manufacturer	Renesas Electronics America
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Series - Differential Number of Circuits 1 Output Type - Slew Rate 400 V/μs Gain Bandwidth Product 200MHz -3db Bandwidth Current - Input Bias 6μA Voltage - Input Offset 10mV Current - Supply 11mA Current - Output / Channel 60mA Voltage - Supply, Single/Dual (±) 6 V ~ 12.6 V, ±3 V ~ 6.3 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type Number of Circuits 1 Output Type - Slew Rate 400 V/μs Gain Bandwidth Product -3db Bandwidth 150MHz Current - Input Bias Voltage - Input Offset 10mV Current - Supply 11mA Current - Output / Channel Voltage - Supply, Single/Dual (±) 0	Package	8-SOIC (0.154", 3.90mm Width)
Number of Circuits       1         Output Type       -         Slew Rate       400 V/μs         Gain Bandwidth Product       200MHz         -3db Bandwidth       150MHz         Current - Input Bias       6μA         Voltage - Input Offset       10mV         Current - Supply       11mA         Current - Output / Channel       60mA         Voltage - Supply, Single/Dual (±)       6 V ~ 12.6 V, ±3 V ~ 6.3 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       8-SOIC (0.154", 3.90mm Width)         Supplier Device Package       8-SOIC	Series	-
Output Type  Slew Rate  400 V/μs  Gain Bandwidth Product  -3db Bandwidth  150MHz  Current - Input Bias  6μA  Voltage - Input Offset  10mV  Current - Supply  11mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  40° C ~ 85° C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Amplifier Type	Differential
Slew Rate $400 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $200\text{MHz}$ -3db Bandwidth $150\text{MHz}$ Current - Input Bias $6\mu\text{A}$ Voltage - Input Offset $10\text{mV}$ Current - Supply $11\text{mA}$ Current - Output / Channel $60\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $6 \text{ V} \sim 12.6 \text{ V}, \pm 3 \text{ V} \sim 6.3 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $8\text{-SOIC}$ $(0.154^{\circ}, 3.90\text{mm Width})$ Supplier Device Package $8\text{-SOIC}$	Number of Circuits	1
Gain Bandwidth Product  -3db Bandwidth  150MHz  Current - Input Bias  6μA  Voltage - Input Offset  10mV  Current - Supply  11mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  6 V ~ 12.6 V, ±3 V ~ 6.3 V  Operating Temperature  40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Output Type	-
-3db Bandwidth 150MHz  Current - Input Bias 6μA  Voltage - Input Offset 10mV  Current - Supply 11mA  Current - Output / Channel 60mA  Voltage - Supply, Single/Dual (±) 6 V ~ 12.6 V, ±3 V ~ 6.3 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Slew Rate	400 V/μs
Current - Input Bias $6\mu A$ Voltage - Input Offset $10mV$ Current - Supply $11mA$ Current - Output / Channel $60mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $6V \sim 12.6V, \pm 3V \sim 6.3V$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type Surface Mount  Package / Case $8$ -SOIC $(0.154^{\circ}, 3.90mm \text{ Width})$ Supplier Device Package $8$ -SOIC	Gain Bandwidth Product	200MHz
Voltage - Input Offset  Current - Supply  11mA  Current - Output / Channel  60mA  Voltage - Supply, Single/Dual (±)  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	-3db Bandwidth	150MHz
Current - Supply 11mA  Current - Output / Channel 60mA  Voltage - Supply, Single/Dual (±) 6 V ~ 12.6 V, ±3 V ~ 6.3 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Current - Input Bias	6µА
Current - Output / Channel 60mA  Voltage - Supply, Single/Dual (±) 6 V ~ 12.6 V, ±3 V ~ 6.3 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Voltage - Input Offset	10mV
Voltage - Supply, Single/Dual ( $\pm$ ) 6 V ~ 12.6 V, $\pm$ 3 V ~ 6.3 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Current - Supply	11mA
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Current - Output / Channel	60mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply, Single/Dual (±)	6 V ~ 12.6 V, ±3 V ~ 6.3 V
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
_	Supplier Device Package	8-SOIC
Report errors		Report errors?

### **EL2142CSZ 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.

# **EL2142CSZ Payment Methods**



















### **EL2142CSZ Shipping Methods**













If you have any question about EL2142CSZ, please do not hesitate to contact us!

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