



ISL28271FAZ Information



For Reference Only

Part Number ISL28271FAZ

Manufacturer Intersil

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

Description IC OPAMP INSTR 180KHZ RRO 16QSOP

Package 16-SSOP (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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ISL28271FAZ Specifications

| Manufacturer Part Number ISL28271FAZ Manufacturer Intersil Category Integrated Circuits (ICs) Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps Package 16-SSOP (0.154", 3.90mm Width) Series - Amplifier Type Instrumentation Number of Circuits 2 Output Type Rail-to-Rail Slew Rate 0.5 V/μs Gain Bandwidth Product - -3db Bandwidth 180kHz Current - Input Bias 10pA Voltage - Input Offset 35μV Current - Supply 120μA Current - Output / Channel 31mA Voltage - Supply, Single/Dual (±) 2.4 V ~ 5.5 V, ±1.2 V ~ 2.75 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount | | |
|---|-----------------------------------|---|
| $ \begin{array}{c} \text{Category} & \text{Integrated Circuits (ICs)} \\ & \text{Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps} \\ \text{Package} & 16\text{-SSOP } (0.154", 3.90\text{mm Width}) \\ \text{Series} & - \\ \text{Amplifier Type} & \text{Instrumentation} \\ \text{Number of Circuits} & 2 \\ \text{Output Type} & \text{Rail-to-Rail} \\ \text{Slew Rate} & 0.5 \text{ V/}\mu\text{s} \\ \text{Gain Bandwidth Product} & - \\ \text{-3db Bandwidth} & 180\text{kHz} \\ \text{Current - Input Bias} & 10\text{pA} \\ \text{Voltage - Input Offset} & 35\mu\text{V} \\ \text{Current - Supply} & 120\mu\text{A} \\ \text{Current - Output / Channel} & 31\text{mA} \\ \text{Voltage - Supply, Single/Dual } (\pm) & 2.4 \text{ V} \sim 5.5 \text{ V}, \pm 1.2 \text{ V} \sim 2.75 \text{ V} \\ \text{Operating Temperature} & -40^{\circ}\text{C} \sim 125^{\circ}\text{C} \\ \text{Mounting Type} & \text{Surface Mount} \\ \end{array}$ | Manufacturer Part Number | ISL28271FAZ |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Manufacturer | Intersil |
| Package 16-SSOP (0.154", 3.90mm Width) Series - Amplifier Type Instrumentation Number of Circuits 2 Output Type Rail-to-Rail Slew Rate 0.5 V/μ s Gain Bandwidth Product - -3db Bandwidth Product 180kHz Current - Input Bias 10pA Voltage - Input Offset 35 μ V Current - Supply 120 μ A Current - Output / Channel 31mA Voltage - Supply, Single/Dual (\pm) 2.4 $V \sim 5.5$ V , ± 1.2 $V \sim 2.75$ V Operating Temperature -40°C ~ 125 °C Mounting Type Surface Mount | Category | Integrated Circuits (ICs) |
| Series - Amplifier Type Instrumentation Number of Circuits 2 Output Type Rail-to-Rail Slew Rate | | Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps |
| Amplifier Type Instrumentation Number of Circuits | Package | 16-SSOP (0.154", 3.90mm Width) |
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| Output Type Rail-to-Rail Slew Rate $0.5 \text{ V/}\mu\text{s}$ Gain Bandwidth Product3db Bandwidth 180kHz Current - Input Bias 10pA Voltage - Input Offset $35\mu\text{V}$ Current - Supply $120\mu\text{A}$ Current - Output / Channel 31mA Voltage - Supply, Single/Dual (\pm) $2.4 \text{ V} \sim 5.5 \text{ V}, \pm 1.2 \text{ V} \sim 2.75 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount | Amplifier Type | Instrumentation |
| Slew Rate 0.5 V/µs Gain Bandwidth Product3db Bandwidth 180kHz Current - Input Bias 10pA Voltage - Input Offset 35µV Current - Supply 120µA Current - Output / Channel 31mA Voltage - Supply, Single/Dual (\pm) 2.4 V ~ 5.5 V, \pm 1.2 V ~ 2.75 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount | Number of Circuits | 2 |
| $ \begin{array}{llllllllllllllllllllllllllllllllllll$ | Output Type | Rail-to-Rail |
| $-3db \ Bandwidth \\ Current - Input \ Bias \\ Voltage - Input \ Offset \\ 35 \mu V \\ Current - Supply \\ 120 \mu A \\ Current - Output / Channel \\ Voltage - Supply, Single/Dual (\pm) 2.4 \ V \sim 5.5 \ V, \pm 1.2 \ V \sim 2.75 \ V \\ Operating \ Temperature \\ Mounting \ Type \\ Surface \ Mount$ | Slew Rate | 0.5 V/μs |
| Current - Input Bias $10pA$ Voltage - Input Offset $35\mu V$ Current - Supply $120\mu A$ Current - Output / Channel $31mA$ Voltage - Supply, Single/Dual (\pm) $2.4 \ V \sim 5.5 \ V, \pm 1.2 \ V \sim 2.75 \ V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount | Gain Bandwidth Product | - |
| $Voltage - Input Offset \\ Supply \\ 120\mu A \\ Current - Output / Channel \\ 31mA \\ Voltage - Supply, Single/Dual (±) \\ Operating Temperature \\ Mounting Type \\ Surface Mount$ | -3db Bandwidth | 180kHz |
| Current - Supply 120 μ A Current - Output / Channel 31mA Voltage - Supply, Single/Dual (\pm) 2.4 V ~ 5.5 V, \pm 1.2 V ~ 2.75 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount | Current - Input Bias | 10pA |
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| Voltage - Supply, Single/Dual (\pm) 2.4 V ~ 5.5 V, \pm 1.2 V ~ 2.75 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount | Current - Supply | 120μΑ |
| Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount | Current - Output / Channel | 31mA |
| Mounting Type Surface Mount | Voltage - Supply, Single/Dual (±) | 2.4 V ~ 5.5 V, ±1.2 V ~ 2.75 V |
| | Operating Temperature | -40°C ~ 125°C |
| | Mounting Type | Surface Mount |
| Package / Case 16-SSOP (0.154", 3.90mm Width) | Package / Case | 16-SSOP (0.154", 3.90mm Width) |
| Supplier Device Package 16-QSOP | Supplier Device Package | 16-QSOP |
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ISL28271FAZ 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.

ISL28271FAZ Payment Methods



















ISL28271FAZ Shipping Methods













If you have any question about ISL28271FAZ, please do not hesitate to contact us!

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