



TLV2452AID Information



For Reference Only

Part Number TLV2452AID

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

Description IC OPAMP GP 220KHZ RRO 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

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us

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TLV2452AID Specifications

| Manufacturer Part Number TLV2452AID Manufacturer Texas Instruments Category Integrated Circuits (ICs) Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps Package 8-SOIC (0.154", 3.90mm Width) Series - Amplifier Type General Purpose Number of Circuits 2 Output Type Rail-to-Rail Slew Rate 0.11 V/μs Gain Bandwidth Product 220kHz -3db Bandwidth - Current - Input Bias 500pA Voltage - Input Offset 300μV Current - Supply 23μA Current - Output / Channel 10mA Voltage - Supply, Single/Dual (±) 2.7 V ~ 6 V, ±1.35 V ~ 3 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC | | |
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| Gain Bandwidth Product 220kHz -3db Bandwidth - Current - Input Bias 500pA Voltage - Input Offset 300 μ V Current - Supply 23 μ A Current - Output / Channel 10mA Voltage - Supply, Single/Dual (\pm) 2.7 V ~ 6 V, \pm 1.35 V ~ 3 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC | Output Type | Rail-to-Rail |
| $-3 db \ Bandwidth \\ -Current - Input \ Bias \\ Voltage - Input \ Offset \\ 300 \mu V \\ Current - Supply \\ 23 \mu A \\ Current - Output / Channel \\ Voltage - Supply, Single/Dual (\pm) 2.7 \ V \sim 6 \ V, \pm 1.35 \ V \sim 3 \ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 125^{\circ}C \\ Mounting \ Type \\ Surface \ Mount \\ Package / Case \\ 8-SOIC (0.154", 3.90mm \ Width) \\ Supplier \ Device \ Package \\ 8-SOIC \\ \\$ | Slew Rate | 0.11 V/μs |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Gain Bandwidth Product | 220kHz |
| $\begin{tabular}{lllllllllllllllllllllllllllllllllll$ | -3db Bandwidth | - |
| Current - Supply $23\mu A$ Current - Output / Channel $10mA$ Voltage - Supply, Single/Dual (\pm) $2.7 \text{ V} \sim 6 \text{ V}, \pm 1.35 \text{ V} \sim 3 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Surface Mount $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Surface Mount $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Surface Mount $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}C$ | Current - Input Bias | 500pA |
| Current - Output / Channel $10mA$ Voltage - Supply, Single/Dual (\pm) $2.7 \text{ V} \sim 6 \text{ V}, \pm 1.35 \text{ V} \sim 3 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case 8-SOIC (0.154° , 3.90mm Width)Supplier Device Package 8-SOIC | Voltage - Input Offset | $300\mu V$ |
| Voltage - Supply, Single/Dual (\pm) 2.7 V ~ 6 V, \pm 1.35 V ~ 3 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC | Current - Supply | 23μΑ |
| $ \begin{array}{lll} \mbox{Operating Temperature} & -40^{\circ}\mbox{C} \sim 125^{\circ}\mbox{C} \\ \mbox{Mounting Type} & \mbox{Surface Mount} \\ \mbox{Package / Case} & \mbox{8-SOIC } (0.154", 3.90\mbox{mm Width}) \\ \mbox{Supplier Device Package} & \mbox{8-SOIC} \\ \end{array} $ | Current - Output / Channel | 10mA |
| Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC | Voltage - Supply, Single/Dual (±) | 2.7 V ~ 6 V, ±1.35 V ~ 3 V |
| Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC | Operating Temperature | -40°C ~ 125°C |
| Supplier Device Package 8-SOIC | Mounting Type | Surface Mount |
| | Package / Case | 8-SOIC (0.154", 3.90mm Width) |
| | Supplier Device Package | 8-SOIC |
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TLV2452AID 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.

TLV2452AID Payment Methods



















TLV2452AID Shipping Methods













If you have any question about TLV2452AID, please do not hesitate to contact us!

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