

# TLC2252AQPWRG4Q1

# TLC2252AQPWRG4Q1 Information



For Reference Only

Part Number TLC2252AQPWRG4Q1

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 210KHZ RRO 8TSSOP **Package** 8-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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



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#### TLC2252AQPWRG4Q1 Specifications

Manufacturer Part Number         TLC2252AQPWRG4Q1           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-TSSOP (0.173", 4.40mm Width)           Series         Automotive, AEC-Q100, LinCMOS?           Amplifier Type         General Purpose           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         0.12 V/μs           Gain Bandwidth Product         210kHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         200μV           Current - Supply         80μA           Current - Output / Channel         50mA           Voltage - Supply, Single/Dual (±)         4.4 V ~ 16 V, ±2.2 V ~ 8 V           Operating Temperature         - 40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         8-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         8-TSSOP		
Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-TSSOP (0.173", 4.40mm Width)           Series         Automotive, AEC-Q100, LinCMOS?           Amplifier Type         General Purpose           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         0.12 V/µs           Gain Bandwidth Product         210kHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         200µV           Current - Supply         80µA           Current - Output / Channel         50mA           Voltage - Supply, Single/Dual (±)         4.4 V ~ 16 V, ±2.2 V ~ 8 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         8-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         8-TSSOP	Manufacturer Part Number	TLC2252AQPWRG4Q1
Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-TSSOP (0.173", 4.40mm Width)SeriesAutomotive, AEC-Q100, LinCMOS?Amplifier TypeGeneral PurposeNumber of Circuits2Output TypeRail-to-RailSlew Rate0.12 V/μsGain Bandwidth Product210kHz-3db Bandwidth-Current - Input Bias1pAVoltage - Input Offset200μVCurrent - Supply80μACurrent - Output / Channel50mAVoltage - Supply, Single/Dual (±)4.4 V ~ 16 V, ±2.2 V ~ 8 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP	Manufacturer	Texas Instruments
Package8-TSSOP (0.173", 4.40mm Width)SeriesAutomotive, AEC-Q100, LinCMOS?Amplifier TypeGeneral PurposeNumber of Circuits2Output TypeRail-to-RailSlew Rate0.12 V/μsGain Bandwidth Product210kHz-3db Bandwidth-Current - Input Bias1pAVoltage - Input Offset200μVCurrent - Supply80μACurrent - Output / Channel50mAVoltage - Supply, Single/Dual (±)4.4 V ~ 16 V, ±2.2 V ~ 8 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP	Category	Integrated Circuits (ICs)
Series Automotive, AEC-Q100, LinCMOS?  Amplifier Type General Purpose  Number of Circuits 2  Output Type Rail-to-Rail  Slew Rate 0.12 $V/\mu s$ Gain Bandwidth Product 210kHz  -3db Bandwidth  -  Current - Input Bias 1pA  Voltage - Input Offset 200 $\mu V$ Current - Supply 80 $\mu A$ Current - Output / Channel 50mA  Voltage - Supply, Single/Dual ( $\pm$ ) 4.4 $V \sim 16 V$ , $\pm 2.2 V \sim 8 V$ Operating Temperature 40°C $\sim 125$ °C  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier TypeGeneral PurposeNumber of Circuits2Output TypeRail-to-RailSlew Rate0.12 V/μsGain Bandwidth Product210kHz-3db Bandwidth-Current - Input Bias1pAVoltage - Input Offset200μVCurrent - Supply80μACurrent - Output / Channel50mAVoltage - Supply, Single/Dual (±)4.4 V ~ 16 V, ±2.2 V ~ 8 VOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP	Package	8-TSSOP (0.173", 4.40mm Width)
Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         0.12 V/μs           Gain Bandwidth Product         210kHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         200μV           Current - Supply         80μA           Current - Output / Channel         50mA           Voltage - Supply, Single/Dual (±)         4.4 V ~ 16 V, ±2.2 V ~ 8 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         8-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         8-TSSOP	Series	Automotive, AEC-Q100, LinCMOS?
Output Type Rail-to-Rail  Slew Rate 0.12 V/ $\mu$ s  Gain Bandwidth Product 210kHz  -3db Bandwidth  - Current - Input Bias 1pA  Voltage - Input Offset 200 $\mu$ V  Current - Supply 80 $\mu$ A  Current - Output / Channel 50mA  Voltage - Supply, Single/Dual ( $\pm$ ) 4.4 V ~ 16 V, $\pm$ 2.2 V ~ 8 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 8-TSSOP	Amplifier Type	General Purpose
Slew Rate $0.12 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $210\text{kHz}$ -3db Bandwidth -  Current - Input Bias $1\text{pA}$ Voltage - Input Offset $200\mu\text{V}$ Current - Supply $80\mu\text{A}$ Current - Output / Channel $50\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $4.4 \text{ V} \sim 16 \text{ V}, \pm 2.2 \text{ V} \sim 8 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $8$ -TSSOP $(0.173^{\circ}, 4.40\text{mm Width})$ Supplier Device Package $8$ -TSSOP	Number of Circuits	2
Gain Bandwidth Product  -3db Bandwidth  - Current - Input Bias  1pA  Voltage - Input Offset  200μV  Current - Supply  80μA  Current - Output / Channel  50mA  Voltage - Supply, Single/Dual (±)  4.4 V ~ 16 V, ±2.2 V ~ 8 V  Operating Temperature  4.0°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package	Output Type	Rail-to-Rail
$-3 db \ Bandwidth \\ -Current - Input \ Bias \\ 1pA \\ Voltage - Input \ Offset \\ 200 \mu V \\ Current - Supply \\ 80 \mu A \\ Current - Output / Channel \\ 50 mA \\ Voltage - Supply, Single/Dual (\pm) 4.4 \ V \sim 16 \ V, \pm 2.2 \ V \sim 8 \ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 125^{\circ}C \\ Mounting \ Type \\ Surface \ Mount \\ Package / Case \\ 8-TSSOP (0.173", 4.40mm \ Width) \\ Supplier \ Device \ Package \\ 8-TSSOP$	Slew Rate	0.12 V/µs
Current - Input Bias $ 1pA \\ Voltage - Input Offset \\ 200 \mu V \\ Current - Supply \\ 80 \mu A \\ Current - Output / Channel \\ Voltage - Supply, Single/Dual (\pm)  4.4 \text{ V} \sim 16 \text{ V}, \pm 2.2 \text{ V} \sim 8 \text{ V} \\ Operating Temperature \\ -40^{\circ}\text{C} \sim 125^{\circ}\text{C} \\ Mounting Type \\ Surface Mount \\ Package / Case \\ 8-TSSOP (0.173'', 4.40mm Width) \\ Supplier Device Package \\ 8-TSSOP $	Gain Bandwidth Product	210kHz
Voltage - Input Offset $200\mu V$ Current - Supply $80\mu A$ Current - Output / Channel $50mA$ Voltage - Supply, Single/Dual (±) $4.4 \text{ V} \sim 16 \text{ V}, \pm 2.2 \text{ V} \sim 8 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP}$ (0.173", $4.40\text{mm}$ Width)Supplier Device Package $8\text{-TSSOP}$	-3db Bandwidth	-
Current - Supply $80\mu A$ Current - Output / Channel $50mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $4.4 \text{ V} \sim 16 \text{ V}, \pm 2.2 \text{ V} \sim 8 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP}$ ( $0.173^{\circ}$ , $4.40\text{mm}$ Width)Supplier Device Package $8\text{-TSSOP}$	Current - Input Bias	1pA
Current - Output / Channel $50 mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $4.4 \text{ V} \sim 16 \text{ V}, \pm 2.2 \text{ V} \sim 8 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP}$ ( $0.173^{\circ}$ , $4.40 mm$ Width)Supplier Device Package $8\text{-TSSOP}$	Voltage - Input Offset	$200\mu V$
Voltage - Supply, Single/Dual ( $\pm$ ) 4.4 V ~ 16 V, $\pm$ 2.2 V ~ 8 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 8-TSSOP	Current - Supply	80μΑ
Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 8-TSSOP	Current - Output / Channel	50mA
Mounting Type Surface Mount Package / Case 8-TSSOP (0.173", 4.40mm Width) Supplier Device Package 8-TSSOP	Voltage - Supply, Single/Dual (±)	4.4 V ~ 16 V, ±2.2 V ~ 8 V
Package / Case 8-TSSOP (0.173", 4.40mm Width) Supplier Device Package 8-TSSOP	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 8-TSSOP	Mounting Type	Surface Mount
	Package / Case	8-TSSOP (0.173", 4.40mm Width)
Report errors?	Supplier Device Package	8-TSSOP
		Report errors?

## TLC2252AQPWRG4Q1 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.

#### TLC2252AQPWRG4Q1 Payment Methods



















### TLC2252AQPWRG4Q1 Shipping Methods













If you have any question about TLC2252AQPWRG4Q1, please do not hesitate to contact us!

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