



## **TLV2442QPWRG4 Information**



For Reference Only

Part Number TLV2442QPWRG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 1.81MHZ RRO 8TSSOP **Package** 8-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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## **TLV2442QPWRG4 Specifications**

Manufacturer Part NumberTLV2442QPWRG4ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-TSSOP (0.173", 4.40mm Width)SeriesLinCMOS?Amplifier TypeGeneral PurposeNumber of Circuits2Output TypeRail-to-RailSlew Rate1.4 V/μsGain Bandwidth Product1.81MHz-3db Bandwidth-Current - Input Bias1pAVoltage - Input Offset300μVCurrent - Supply750μACurrent - Output / Channel50mAVoltage - Supply, Single/Dual (±)2.7 V ~ 10 V, ±1.35 V ~ 5 VOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case8-TSSOP (0.173", 4.40mm Width)Supplier Device Package8-TSSOP		
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Series LinCMOS?  Amplifier Type General Purpose  Number of Circuits 2  Output Type Rail-to-Rail  Slew Rate 1.4 $V/\mu$ s  Gain Bandwidth Product 1.81MHz  -3db Bandwidth  - Current - Input Bias 1pA  Voltage - Input Offset 300 $\mu$ V  Current - Supply 750 $\mu$ A  Current - Output / Channel 50mA  Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 $V \sim 10$ $V, \pm 1.35$ $V \sim 5$ $V$ Operating Temperature -40°C $\sim 125$ °C  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type General Purpose Number of Circuits 2 2   Output Type Rail-to-Rail   Slew Rate 1.4 V/ $\mu$ s   Gain Bandwidth Product 1.81MHz   -3db Bandwidth   - Current - Input Bias 1pA   Voltage - Input Offset 300 $\mu$ V   Current - Supply 750 $\mu$ A   Current - Output / Channel 50mA   Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 10 V, $\pm$ 1.35 V ~ 5 V   Operating Temperature   -40°C ~ 125°C   Mounting Type Surface Mount   Package / Case 8-TSSOP (0.173", 4.40mm Width)	Package	8-TSSOP (0.173", 4.40mm Width)
Number of Circuits 2 Output Type Rail-to-Rail Slew Rate 1.4 V/ $\mu$ s Gain Bandwidth Product 1.81MHz -3db Bandwidth - Current - Input Bias 1pA Voltage - Input Offset 300 $\mu$ V Current - Supply 750 $\mu$ A Current - Output / Channel 50mA Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 10 V, $\pm$ 1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-TSSOP (0.173", 4.40mm Width)	Series	LinCMOS?
Output Type Rail-to-Rail  Slew Rate  1.4 V/µs  Gain Bandwidth Product 1.81MHz  -3db Bandwidth - Current - Input Bias 1pA  Voltage - Input Offset 300µV  Current - Supply 750µA  Current - Output / Channel Voltage - Supply, Single/Dual (±) 2.7 V ~ 10 V, ±1.35 V ~ 5 V  Operating Temperature  40°C ~ 125°C  Mounting Type Package / Case  8-TSSOP (0.173", 4.40mm Width)	Amplifier Type	General Purpose
Slew Rate $1.4 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $1.81 \text{MHz}$ $-3 \text{db Bandwidth}$ $- \text{Current - Input Bias}$ $1 \text{pA}$ $Voltage - Input Offset$ $300 \mu V$ $Current - Supply$ $750 \mu A$ $Current - Output / Channel$ $50 \text{mA}$ $Voltage - Supply, Single/Dual (±)$ $2.7 \text{ V} \sim 10 \text{ V}, \pm 1.35 \text{ V} \sim 5 \text{ V}$ $Operating Temperature$ $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ $Mounting Type$ $Surface Mount$ $Package / Case$ $8-TSSOP (0.173", 4.40 \text{mm Width})$	Number of Circuits	2
Gain Bandwidth Product  -3db Bandwidth  - Current - Input Bias  1pA  Voltage - Input Offset  300 $\mu$ V  Current - Supply  750 $\mu$ A  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  2.7 V ~ 10 V, ±1.35 V ~ 5 V  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  8-TSSOP (0.173", 4.40mm Width)	Output Type	Rail-to-Rail
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Slew Rate	$1.4 \text{ V/}\mu\text{s}$
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Gain Bandwidth Product	1.81MHz
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	-
Current - Supply 750 $\mu$ A  Current - Output / Channel 50mA  Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 10 V, $\pm$ 1.35 V ~ 5 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)	Current - Input Bias	1pA
$\begin{tabular}{lll} Current - Output / Channel & 50mA & \\ Voltage - Supply, Single/Dual (\pm) & 2.7 V ~ 10 V, \pm1.35 V ~ 5 V & \\ Operating Temperature & -40°C ~ 125°C & \\ Mounting Type & Surface Mount & \\ Package / Case & 8-TSSOP (0.173", 4.40mm Width) & \\ \end{tabular}$	Voltage - Input Offset	300μV
Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 10 V, $\pm$ 1.35 V ~ 5 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-TSSOP (0.173", 4.40mm Width)	Current - Supply	750μΑ
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case 8-TSSOP (0.173", 4.40mm Width)	Current - Output / Channel	50mA
Mounting Type Surface Mount Package / Case 8-TSSOP (0.173", 4.40mm Width)	Voltage - Supply, Single/Dual (±)	2.7 V ~ 10 V, ±1.35 V ~ 5 V
Package / Case 8-TSSOP (0.173", 4.40mm Width)	Operating Temperature	-40°C ~ 125°C
	Mounting Type	Surface Mount
Supplier Device Package 8-TSSOP	Package / Case	8-TSSOP (0.173", 4.40mm Width)
	Supplier Device Package	8-TSSOP
Report errors		Report errors?

### **TLV2442QPWRG4 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.



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### **TLV2442QPWRG4 Payment Methods**



















# **TLV2442QPWRG4 Shipping Methods**













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