



### **TLV2462CDG4 Information**



For Reference Only

Part Number TLV2462CDG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 6.4MHZ RRO 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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## **TLV2462CDG4 Specifications**

Manufacturer Part Number       TLV2462CDG4         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       1.6 V/μs         Gain Bandwidth Product       6.4MHz         -3db Bandwidth       -         Current - Input Bias       1.3nA         Voltage - Input Offset       500μV         Current - Output / Channel       80mA         Voltage - Supply, Single/Dual (±)       2.7 V ~ 6 V, ±1.35 V ~ 3 V         Operating Temperature       0°C ~ 70°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           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         1.6 V/μs           Gain Bandwidth Product         6.4MHz           -3db Bandwidth         -           Current - Input Bias         1.3nA           Voltage - Input Offset         500μV           Current - Supply         550μA           Current - Output / Channel         80mA           Voltage - Supply, Single/Dual (±)         2.7 V ~ 6 V, ±1.35 V ~ 3 V           Operating Temperature         0°C ~ 70°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC	Manufacturer Part Number	TLV2462CDG4
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Series-Amplifier TypeGeneral PurposeNumber of Circuits2Output TypeRail-to-RailSlew Rate1.6 V/μsGain Bandwidth Product6.4MHz-3db Bandwidth-Current - Input Bias1.3nAVoltage - Input Offset500μVCurrent - Supply550μACurrent - Output / Channel80mAVoltage - Supply, Single/Dual (±)2.7 V ~ 6 V, ±1.35 V ~ 3 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier TypeGeneral PurposeNumber of Circuits2Output TypeRail-to-RailSlew Rate1.6 V/μsGain Bandwidth Product6.4MHz-3db Bandwidth-Current - Input Bias1.3nAVoltage - Input Offset500μVCurrent - Supply550μACurrent - Output / Channel80mAVoltage - Supply, Single/Dual (±)2.7 V ~ 6 V, ±1.35 V ~ 3 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Package	8-SOIC (0.154", 3.90mm Width)
Number of Circuits 2 Output Type Rail-to-Rail Slew Rate 1.6 V/ $\mu$ s Gain Bandwidth Product 6.4MHz -3db Bandwidth - Current - Input Bias 1.3nA Voltage - Input Offset 500 $\mu$ V Current - Supply 550 $\mu$ A Current - Output / Channel 80mA Voltage - Supply, Single/Dual (±) 2.7 V ~ 6 V, ±1.35 V ~ 3 V Operating Temperature 0°C ~ 70°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Series	-
Output Type Rail-to-Rail Slew Rate 1.6 V/ $\mu$ s  Gain Bandwidth Product 6.4MHz  -3db Bandwidth - Current - Input Bias 1.3nA  Voltage - Input Offset 500 $\mu$ V  Current - Supply 550 $\mu$ A  Current - Output / Channel 80mA  Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 6 V, $\pm$ 1.35 V ~ 3 V  Operating Temperature 0°C ~ 70°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Amplifier Type	General Purpose
Slew Rate 1.6 V/ $\mu$ s 6.4MHz 6.4MHz 7.3db Bandwidth Product 6.4MHz 7.5db Bandwidth 8.5db Bandw	Number of Circuits	2
Gain Bandwidth Product -3db Bandwidth - Current - Input Bias 1.3nA Voltage - Input Offset 500μV Current - Supply 550μA Current - Output / Channel 80mA Voltage - Supply, Single/Dual (±) 2.7 V ~ 6 V, ±1.35 V ~ 3 V Operating Temperature 0°C ~ 70°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Output Type	Rail-to-Rail
$-3 db \ Bandwidth \\ Current - Input \ Bias \\ 1.3 nA \\ Voltage - Input \ Offset \\ 500 \mu V \\ Current - Supply \\ 550 \mu A \\ Current - Output / Channel \\ Voltage - Supply, Single/Dual (\pm) 2.7 \ V \sim 6 \ V, \pm 1.35 \ V \sim 3 \ V \\ Operating \ Temperature \\ 0°C \sim 70°C \\ Mounting \ Type \\ Surface \ Mount \\ Package / Case \\ 8-SOIC (0.154", 3.90mm \ Width) \\ Supplier \ Device \ Package \\ 8-SOIC$	Slew Rate	1.6 V/μs
Current - Input Bias 1.3nA  Voltage - Input Offset 500 $\mu$ V  Current - Supply 550 $\mu$ A  Current - Output / Channel 80mA  Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 6 V, $\pm$ 1.35 V ~ 3 V  Operating Temperature 0°C ~ 70°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Gain Bandwidth Product	6.4MHz
Voltage - Input Offset	-3db Bandwidth	-
Current - Supply $550\mu A$ Current - Output / Channel $80mA$ Voltage - Supply, Single/Dual (±) $2.7 \text{ V} \sim 6 \text{ V}, \pm 1.35 \text{ V} \sim 3 \text{ V}$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $8\text{-SOIC}$ $(0.154^{\circ}, 3.90mm \text{ Width})$ Supplier Device Package $8\text{-SOIC}$	Current - Input Bias	1.3nA
Current - Output / Channel $80mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.7 \text{ V} \sim 6 \text{ V}, \pm 1.35 \text{ V} \sim 3 \text{ V}$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-SOIC}$ ( $0.154^{\circ}$ , $3.90mm$ Width)Supplier Device Package $8\text{-SOIC}$	Voltage - Input Offset	500μV
Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 6 V, $\pm$ 1.35 V ~ 3 V Operating Temperature 0°C ~ 70°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Current - Supply	550μΑ
Operating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Current - Output / Channel	80mA
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	0°C ~ 70°C
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

#### **TLV2462CDG4 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**

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## **TLV2462CDG4 Payment Methods**





















## **TLV2462CDG4 Shipping Methods**













If you have any question about TLV2462CDG4, please do not hesitate to contact us!

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