

### **TLV2241ID Information**



For Reference Only

Part Number TLV2241ID

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 5.5KHZ RRO 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









### **TLV2241ID Specifications**

Manufacturer Part Number       TLV2241ID         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       1         Output Type       Rail-to-Rail         Slew Rate       0.002 V/μs         Gain Bandwidth Product       5.5kHz         -3db Bandwidth       -         Current - Input Bias       100pA         Voltage - Input Offset       600μV         Current - Output / Channel       200μA         Voltage - Supply, Single/Dual (±)       2.5 V ~ 12 V, ±1.25 V ~ 6 V         Operating Temperature       -40°C ~ 85°C		
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 1  Output Type Rail-to-Rail  Slew Rate 0.002 V/ $\mu$ s  Gain Bandwidth Product 5.5kHz  -3db Bandwidth  - Current - Input Bias 100pA  Voltage - Input Offset 600 $\mu$ V  Current - Supply 1 $\mu$ A  Current - Output / Channel 200 $\mu$ A  Voltage - Supply, Single/Dual ( $\pm$ ) 2.5 V ~ 12 V, $\pm$ 1.25 V ~ 6 V	Manufacturer Part Number	TLV2241ID
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Manufacturer	Texas Instruments
Package8-SOIC (0.154", 3.90mm Width)Series-Amplifier TypeGeneral PurposeNumber of Circuits1Output TypeRail-to-RailSlew Rate $0.002 \text{ V/μs}$ Gain Bandwidth Product $5.5\text{kHz}$ -3db Bandwidth-Current - Input Bias $100\text{pA}$ Voltage - Input Offset $600\mu\text{V}$ Current - Supply $1\mu\text{A}$ Current - Output / Channel $200\mu\text{A}$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.5 \text{ V} \sim 12 \text{ V}, \pm 1.25 \text{ V} \sim 6 \text{ V}$	Category	Integrated Circuits (ICs)
Series - Amplifier Type General Purpose Number of Circuits 1   Output Type Rail-to-Rail Slew Rate 0.002 V/ $\mu$ s Gain Bandwidth Product 5.5kHz -3db Bandwidth - Current - Input Bias 100pA Voltage - Input Offset 600 $\mu$ V Current - Supply 1 $\mu$ A Current - Output / Channel 200 $\mu$ A Voltage - Supply, Single/Dual ( $\pm$ ) 2.5 V ~ 12 V, $\pm$ 1.25 V ~ 6 V		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type General Purpose  Number of Circuits 1  Output Type Rail-to-Rail  Slew Rate $0.002 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $5.5\text{kHz}$ -3db Bandwidth  -  Current - Input Bias $100\text{pA}$ Voltage - Input Offset $600\mu\text{V}$ Current - Supply $1\mu\text{A}$ Current - Output / Channel $200\mu\text{A}$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.5 \text{ V} \sim 12 \text{ V}, \pm 1.25 \text{ V} \sim 6 \text{ V}$	Package	8-SOIC (0.154", 3.90mm Width)
Number of Circuits 1 Output Type Rail-to-Rail Slew Rate 0.002 V/ $\mu$ s Gain Bandwidth Product 5.5kHz -3db Bandwidth - Current - Input Bias 100pA Voltage - Input Offset 600 $\mu$ V Current - Supply 1 $\mu$ A Current - Output / Channel 200 $\mu$ A Voltage - Supply, Single/Dual ( $\pm$ ) 2.5 V ~ 12 V, $\pm$ 1.25 V ~ 6 V	Series	-
Output Type Rail-to-Rail  Slew Rate 0.002 V/ $\mu$ s  Gain Bandwidth Product 5.5kHz  -3db Bandwidth -  Current - Input Bias 100pA  Voltage - Input Offset 600 $\mu$ V  Current - Supply 1 $\mu$ A  Current - Output / Channel 200 $\mu$ A  Voltage - Supply, Single/Dual ( $\pm$ ) 2.5 V ~ 12 V, $\pm$ 1.25 V ~ 6 V	Amplifier Type	General Purpose
Slew Rate $0.002 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $5.5\text{kHz}$ -3db Bandwidth -  Current - Input Bias $100\text{pA}$ Voltage - Input Offset $600\mu\text{V}$ Current - Supply $1\mu\text{A}$ Current - Output / Channel $200\mu\text{A}$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.5 \text{ V} \sim 12 \text{ V}, \pm 1.25 \text{ V} \sim 6 \text{ V}$	Number of Circuits	1
	Output Type	Rail-to-Rail
$-3 db \ Bandwidth \\ - \\ Current - Input \ Bias \\ Voltage - Input \ Offset \\ Current - Supply \\ Current - Output / Channel \\ Voltage - Supply, Single/Dual (±) \\ 2.5 \ V \sim 12 \ V, \pm 1.25 \ V \sim 6 \ V$	Slew Rate	$0.002 \text{ V/}\mu\text{s}$
Current - Input Bias $100pA$ Voltage - Input Offset $600\mu V$ Current - Supply $1\mu A$ Current - Output / Channel $200\mu A$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.5 \ V \sim 12 \ V, \pm 1.25 \ V \sim 6 \ V$	Gain Bandwidth Product	5.5kHz
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	-
$Current - Supply & 1 \mu A \\ Current - Output / Channel & 200 \mu A \\ Voltage - Supply, Single/Dual (\pm) & 2.5 \ V \sim 12 \ V, \pm 1.25 \ V \sim 6 \ V$	Current - Input Bias	100pA
Current - Output / Channel $200\mu A$ Voltage - Supply, Single/Dual (±) $2.5 \text{ V} \sim 12 \text{ V}, \pm 1.25 \text{ V} \sim 6 \text{ V}$	Voltage - Input Offset	600μV
Voltage - Supply, Single/Dual ( $\pm$ ) 2.5 V ~ 12 V, $\pm$ 1.25 V ~ 6 V	Current - Supply	1μΑ
	Current - Output / Channel	200μΑ
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Voltage - Supply, Single/Dual (±)	2.5 V ~ 12 V, ±1.25 V ~ 6 V
	Operating Temperature	-40°C ~ 85°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 8-SOIC (0.154", 3.90mm Width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
Report error		Report errors?

### **TLV2241ID 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.

## **TLV2241ID Payment Methods**



















# **TLV2241ID Shipping Methods**













If you have any question about TLV2241ID, please do not hesitate to contact us!

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