



#### **TLC27L4IDG4 Information**



For Reference Only

Part Number TLC27L4IDG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 110KHZ 14SOIC **Package** 14-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



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# **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.









## **TLC27L4IDG4 Specifications**

| Manufacturer Part Number         TLC27L4IDG4           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         14-SOIC (0.154", 3.90mm Width)           Series         LinCMOS?           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         -           Slew Rate         0.05 V/μs           Gain Bandwidth Product         110kHz           -3db Bandwidth         -           Current - Input Bias         0.7pA           Voltage - Input Offset         1.1mV           Current - Supply         57μA           Current - Output / Channel         30mA           Voltage - Supply, Single/Dual (±)         4 V ~ 16 V, ±2 V ~ 8 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         14-SOIC (0.154", 3.90mm Width) |                                   |   |
|--|-----------------------------------|---|
| Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         14-SOIC (0.154", 3.90mm Width)           Series         LinCMOS?           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         -           Slew Rate         0.05 V/μs           Gain Bandwidth Product         110kHz           -3db Bandwidth         -           Current - Input Bias         0.7pA           Voltage - Input Offset         1.1mV           Current - Output / Channel         30mA           Voltage - Supply, Single/Dual (±)         4 V ~ 16 V, ±2 V ~ 8 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         14-SOIC (0.154", 3.90mm Width)   | Manufacturer Part Number          | TLC27L4IDG4   |
| Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         14-SOIC (0.154", 3.90mm Width)           Series         LinCMOS?           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         -           Slew Rate         0.05 V/μs           Gain Bandwidth Product         110kHz           -3db Bandwidth         -           Current - Input Bias         0.7pA           Voltage - Input Offset         1.1mV           Current - Supply         57μA           Current - Output / Channel         30mA           Voltage - Supply, Single/Dual (±)         4 V ~ 16 V, ±2 V ~ 8 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         14-SOIC (0.154", 3.90mm Width)  | Manufacturer                      | Texas Instruments   |
| Package14-SOIC (0.154", 3.90mm Width)SeriesLinCMOS?Amplifier TypeGeneral PurposeNumber of Circuits4Output Type-Slew Rate $0.05 \text{ V/μs}$ Gain Bandwidth Product $110\text{kHz}$ -3db Bandwidth-Current - Input Bias $0.7\text{pA}$ Voltage - Input Offset $1.1\text{mV}$ Current - Supply $57\mu\text{A}$ Current - Output / Channel $30\text{mA}$ Voltage - Supply, Single/Dual (±) $4 \text{ V} \sim 16 \text{ V}, \pm 2 \text{ V} \sim 8 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $14\text{-SOIC (0.154", 3.90mm Width)}$  | Category                          | Integrated Circuits (ICs)                                   |
| Series LinCMOS?  Amplifier Type General Purpose  Number of Circuits 4  Output Type - Slew Rate 0.05 V/ $\mu$ s  Gain Bandwidth Product 110kHz  -3db Bandwidth - Current - Input Bias 0.7pA  Voltage - Input Offset 1.1mV  Current - Supply 57 $\mu$ A  Current - Output / Channel 30mA  Voltage - Supply, Single/Dual ( $\pm$ ) 4 V ~ 16 V, $\pm$ 2 V ~ 8 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 14-SOIC (0.154", 3.90mm Width)  |                                   | Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps |
| Amplifier Type General Purpose Number of Circuits 4  Output Type - Slew Rate 0.05 V/ $\mu$ s  Gain Bandwidth Product 110kHz -3db Bandwidth - Current - Input Bias 0.7pA  Voltage - Input Offset 1.1mV  Current - Supply 57 $\mu$ A  Current - Output / Channel 30mA  Voltage - Supply, Single/Dual ( $\pm$ ) 4 V ~ 16 V, $\pm$ 2 V ~ 8 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 14-SOIC (0.154", 3.90mm Width)   | Package                           | 14-SOIC (0.154", 3.90mm Width)                              |
| Number of Circuits       4         Output Type       -         Slew Rate       0.05 V/μs         Gain Bandwidth Product       110kHz         -3db Bandwidth       -         Current - Input Bias       0.7pA         Voltage - Input Offset       1.1mV         Current - Supply       57μA         Current - Output / Channel       30mA         Voltage - Supply, Single/Dual (±)       4 V ~ 16 V, ±2 V ~ 8 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       14-SOIC (0.154", 3.90mm Width)  | Series                            | LinCMOS?  |
| Output Type       -         Slew Rate       0.05 V/μs         Gain Bandwidth Product       110kHz         -3db Bandwidth       -         Current - Input Bias       0.7pA         Voltage - Input Offset       1.1mV         Current - Supply       57μA         Current - Output / Channel       30mA         Voltage - Supply, Single/Dual (±)       4 V ~ 16 V, ±2 V ~ 8 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       14-SOIC (0.154", 3.90mm Width)   | Amplifier Type                    | General Purpose   |
| Slew Rate $0.05 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $110\text{kHz}$ -3db Bandwidth -  Current - Input Bias $0.7\text{pA}$ Voltage - Input Offset $1.1\text{mV}$ Current - Supply $57\mu\text{A}$ Current - Output / Channel $30\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $4\text{ V} \sim 16\text{ V}, \pm 2\text{ V} \sim 8\text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $14\text{-SOIC }(0.154^{\circ}, 3.90\text{mm Width})$  | Number of Circuits                | 4   |
| Gain Bandwidth Product -3db Bandwidth - Current - Input Bias 0.7pA Voltage - Input Offset 1.1mV  Current - Supply 57μA  Current - Output / Channel Voltage - Supply, Single/Dual (±) 4 V ~ 16 V, ±2 V ~ 8 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width)   | Output Type                       | -   |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$  | Slew Rate                         | 0.05 V/μs   |
| Current - Input Bias 0.7pA   Voltage - Input Offset 1.1mV   Current - Supply 57 $\mu$ A   Current - Output / Channel 30mA   Voltage - Supply, Single/Dual ( $\pm$ ) 4 V ~ 16 V, $\pm$ 2 V ~ 8 V   Operating Temperature -40°C ~ 85°C   Mounting Type Surface Mount   Package / Case 14-SOIC (0.154", 3.90mm Width)   | Gain Bandwidth Product            | 110kHz  |
| Voltage - Input Offset   | -3db Bandwidth                    | -   |
| Current - Supply $57\mu A$ Current - Output / Channel $30mA$ Voltage - Supply, Single/Dual (±) $4 \text{ V} \sim 16 \text{ V}, \pm 2 \text{ V} \sim 8 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $14\text{-SOIC}$ (0.154", 3.90mm Width)   | Current - Input Bias              | 0.7pA   |
| Current - Output / Channel $30mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $4 \text{ V} \sim 16 \text{ V}, \pm 2 \text{ V} \sim 8 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $14\text{-SOIC}$ ( $0.154^{\circ}$ , $3.90\text{mm}$ Width)   | Voltage - Input Offset            | 1.1mV   |
| Voltage - Supply, Single/Dual ( $\pm$ ) 4 V ~ 16 V, $\pm$ 2 V ~ 8 V<br>Operating Temperature -40°C ~ 85°C<br>Mounting Type Surface Mount<br>Package / Case 14-SOIC (0.154", 3.90mm Width)  | Current - Supply                  | 57μΑ  |
| Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case 14-SOIC (0.154", 3.90mm Width)   | Current - Output / Channel        | 30mA  |
| Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width)  | Voltage - Supply, Single/Dual (±) | 4 V ~ 16 V, ±2 V ~ 8 V                                      |
| Package / Case 14-SOIC (0.154", 3.90mm Width)  | Operating Temperature             | -40°C ~ 85°C  |
|  | Mounting Type                     | Surface Mount   |
| Supplier Device Package 14-SOIC  | Package / Case                    | 14-SOIC (0.154", 3.90mm Width)                              |
| Supplied Device I derage   | Supplier Device Package           | 14-SOIC   |
| Report error   |                                   | Report errors?  |

#### **TLC27L4IDG4 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.

## **TLC27L4IDG4 Payment Methods**





















### **TLC27L4IDG4 Shipping Methods**













If you have any question about TLC27L4IDG4, please do not hesitate to contact us!

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