



#### **TLV272CDGK Information**



For Reference Only

Part Number TLV272CDGK

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description**IC OPAMP GP 3MHZ RRO 8VSSOP**Package**8-TSSOP, 8-MSOP (0.118", 3.00mm Width)

For the pricing/inventory/lead time, please contact

us

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# **TLV272CDGK Specifications**

Manufacturer Part Number       TLV272CDGK         Manufacturer       Texas Instruments         Category       Integrated Circuits (ICs)         Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps         Package       8-TSSOP, 8-MSOP (0.118", 3.00mm Width)         Series       -         Amplifier Type       General Purpose         Number of Circuits       2         Output Type       Rail-to-Rail         Slew Rate       2.6 V/μs         Gain Bandwidth Product       3MHz         -3db Bandwidth       -         Current - Input Bias       1pA         Voltage - Input Offset       500μV         Current - Supply       625μA         Current - Output / Channel       13mA         Voltage - Supply, Single/Dual (±)       2.7 V ~ 16 V, ±1.35 V ~ 8 V         Operating Temperature       0°C ~ 70°C         Mounting Type       Surface Mount	•	
Category  Integrated Circuits (ICs)  Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps  Package  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  Series  - Amplifier Type  General Purpose  Number of Circuits  2 Output Type  Rail-to-Rail  Slew Rate  2.6 V/µs  Gain Bandwidth Product  -3db Bandwidth  - Current - Input Bias  IpA  Voltage - Input Offset  500µV  Current - Supply  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  Instrumentation, OP Amps, Buffer Amps  Linear - Instrumentation, OP Amps, Buffer Amps  Buffer Amps  Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps  Buffer Amps  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  2  Output Type  Rail-to-Rail  2  Slew Rate  2.6 V/µs  Solution  3MHz  -3db Bandwidth  - Current - Input Bias  IpA  Voltage - Input Offset  500µV  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  O°C ~ 70°C	Manufacturer Part Number	TLV272CDGK
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Manufacturer	Texas Instruments
Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  Series -  Amplifier Type General Purpose  Number of Circuits 2  Output Type Rail-to-Rail  Slew Rate 2.6 V/ $\mu$ s  Gain Bandwidth Product 3MHz  -3db Bandwidth -  Current - Input Bias 1pA  Voltage - Input Offset 500 $\mu$ V  Current - Supply 625 $\mu$ A  Current - Output / Channel 13mA  Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 16 V, $\pm$ 1.35 V ~ 8 V  Operating Temperature 0°C ~ 70°C	Category	Integrated Circuits (ICs)
Series - Amplifier Type General Purpose Number of Circuits 2   Output Type Rail-to-Rail   Slew Rate 2.6 V/ $\mu$ s   Gain Bandwidth Product 3MHz   -3db Bandwidth - Current - Input Bias 1pA   Voltage - Input Offset 500 $\mu$ V   Current - Supply 625 $\mu$ A   Current - Output / Channel 13mA   Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 16 V, $\pm$ 1.35 V ~ 8 V   Operating Temperature 0°C ~ 70°C		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type General Purpose Number of Circuits 2 Output Type Rail-to-Rail Slew Rate 2.6 V/ $\mu$ s Gain Bandwidth Product 3MHz -3db Bandwidth - Current - Input Bias 1pA Voltage - Input Offset 500 $\mu$ V Current - Supply 625 $\mu$ A Current - Output / Channel 13mA Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 16 V, $\pm$ 1.35 V ~ 8 V Operating Temperature 0°C ~ 70°C	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Series	-
Output Type Rail-to-Rail  Slew Rate 2.6 V/ $\mu$ s  Gain Bandwidth Product 3MHz  -3db Bandwidth  - Current - Input Bias 1pA  Voltage - Input Offset 500 $\mu$ V  Current - Supply 625 $\mu$ A  Current - Output / Channel 13mA  Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 16 V, $\pm$ 1.35 V ~ 8 V  Operating Temperature 0°C ~ 70°C	Amplifier Type	General Purpose
Slew Rate 2.6 V/ $\mu$ s  Gain Bandwidth Product 3MHz  -3db Bandwidth -  Current - Input Bias 1pA  Voltage - Input Offset 500 $\mu$ V  Current - Supply 625 $\mu$ A  Current - Output / Channel 13mA  Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 16 V, $\pm$ 1.35 V ~ 8 V  Operating Temperature 0°C ~ 70°C	Number of Circuits	2
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Output Type	Rail-to-Rail
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Slew Rate	2.6 V/μs
Current - Input Bias $ 1pA \\ Voltage - Input Offset \\  500 \mu V \\ Current - Supply \\  625 \mu A \\ Current - Output / Channel \\  13mA \\ Voltage - Supply, Single/Dual (\pm)  2.7 \ V \sim 16 \ V, \pm 1.35 \ V \sim 8 \ V \\ Operating Temperature   0^{\circ}C \sim 70^{\circ}C $	Gain Bandwidth Product	3MHz
$Voltage - Input Offset \\ Current - Supply \\ 625 \mu A \\ Current - Output / Channel \\ Voltage - Supply, Single/Dual (\pm) 2.7 \ V \sim 16 \ V, \pm 1.35 \ V \sim 8 \ V \\ Operating Temperature \\ 0^{\circ}C \sim 70^{\circ}C$	-3db Bandwidth	-
Current - Supply $625\mu A$ Current - Output / Channel $13mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.7 \text{ V} \sim 16 \text{ V}, \pm 1.35 \text{ V} \sim 8 \text{ V}$ Operating Temperature $0^{\circ}C \sim 70^{\circ}C$	Current - Input Bias	1pA
Current - Output / Channel 13mA   Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 16 V, $\pm$ 1.35 V ~ 8 V   Operating Temperature 0°C ~ 70°C	Voltage - Input Offset	$500\mu V$
Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 16 V, $\pm$ 1.35 V ~ 8 V Operating Temperature 0°C ~ 70°C	Current - Supply	625μΑ
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$	Current - Output / Channel	13mA
	Voltage - Supply, Single/Dual (±)	2.7 V ~ 16 V, ±1.35 V ~ 8 V
Mounting Type Surface Mount	Operating Temperature	0°C ~ 70°C
2 2 7.1	Mounting Type	Surface Mount
Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Supplier Device Package 8-VSSOP	Supplier Device Package	8-VSSOP
Report error		Report errors?

#### **TLV272CDGK 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.

# **TLV272CDGK Payment Methods**





















### **TLV272CDGK Shipping Methods**













If you have any question about TLV272CDGK, please do not hesitate to contact us!

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