



OPA2228PAG4 Information



For Reference Only

Part Number OPA2228PAG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

Description IC OPAMP GP 33MHZ 8DIP **Package** 8-DIP (0.300", 7.62mm)

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.









OPA2228PAG4 Specifications

Manufacturer OPA2228PAG4 Manufacturer Texas Instruments Category Integrated Circuits (ICs) Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps Package 8-DIP (0.300", 7.62mm) Series - Amplifier Type General Purpose Number of Circuits 2 Output Type - Slew Rate 11 V/μs Gain Bandwidth Product 33MHz -3db Bandwidth - Current - Input Bias 2.5nA Voltage - Input Offset 10μV Current - Supply 3.7mA Current - Output / Channel 45mA Voltage - Supply, Single/Dual (±) 5 V ~ 36 V, ±2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)		
Category Integrated Circuits (ICs)	Manufacturer Part Number	OPA2228PAG4
Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps Package 8-DIP (0.300", 7.62mm) Series - Amplifier Type General Purpose Number of Circuits 2 Output Type - Slew Rate 11 V/μs Gain Bandwidth Product 33MHz -3db Bandwidth - Current - Input Bias 2.5nA Voltage - Input Offset 10μV Current - Supply 3.7mA Current - Output / Channel 45mA Voltage - Supply, Single/Dual (±) 5 V ~ 36 V, ±2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Manufacturer	Texas Instruments
Package 8-DIP (0.300", 7.62mm) Series - Amplifier Type General Purpose Number of Circuits 2 Output Type - Slew Rate 11 V/μs Gain Bandwidth Product 33MHz -3db Bandwidth - Current - Input Bias 2.5nA Voltage - Input Offset 10μV Current - Supply 3.7mA Current - Output / Channel 45mA Voltage - Supply, Single/Dual (±) 5 V ~ 36 V, ±2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Category	Integrated Circuits (ICs)
Series - Amplifier Type General Purpose Number of Circuits 2 Output Type - Slew Rate 11 V/µs Gain Bandwidth Product 33MHz -3db Bandwidth - Current - Input Bias 2.5nA Voltage - Input Offset 10µV Current - Supply 3.7mA Current - Output / Channel 45mA Voltage - Supply, Single/Dual (±) 5 V ~ 36 V, ±2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type General Purpose Number of Circuits 2 COutput Type - Slew Rate 11 V/ μ s Gain Bandwidth Product 33MHz - 3db Bandwidth - Current - Input Bias 2.5nA Voltage - Input Offset 10 μ V Current - Supply 3.7mA Current - Output / Channel 45mA Voltage - Supply, Single/Dual (\pm) 5 V ~ 36 V, \pm 2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Package	8-DIP (0.300", 7.62mm)
Number of Circuits 2 Output Type - Slew Rate 11 V/μs Gain Bandwidth Product 33MHz -3db Bandwidth - Current - Input Bias 2.5nA Voltage - Input Offset 10μV Current - Supply 3.7mA Current - Output / Channel 45mA Voltage - Supply, Single/Dual (±) 5 V ~ 36 V, ±2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Series	-
Output Type - Slew Rate 11 V/ μ s Gain Bandwidth Product 33MHz - 3db Bandwidth - Current - Input Bias 2.5nA Voltage - Input Offset 10 μ V Current - Supply 3.7mA Current - Output / Channel 45mA Voltage - Supply, Single/Dual (±) 5 V ~ 36 V, ±2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Amplifier Type	General Purpose
Slew Rate $ \begin{array}{cccc} 11 \ V/\mu s \\ \\ Gain \ Bandwidth \ Product \\ -3db \ Bandwidth \\ \\ -Current - Input \ Bias \\ \\ Voltage - Input \ Offset \\ \\ Current - Supply \\ \\ Current - Output / Channel \\ \\ Voltage - Supply, Single/Dual (\pm) 5 \ V \sim 36 \ V, \pm 2.5 \ V \sim 18 \ V \\ Operating \ Temperature \\ \\ -40^{\circ}C \sim 85^{\circ}C \\ \\ Mounting \ Type \\ Package / Case \\ \\ 8-DIP (0.300", 7.62mm) \\ \\ \end{array} $	Number of Circuits	2
Gain Bandwidth Product -3db Bandwidth - Current - Input Bias 2.5nA Voltage - Input Offset 10 μ V Current - Supply 3.7mA Current - Output / Channel 45mA Voltage - Supply, Single/Dual (±) 5 V ~ 36 V, ±2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Output Type	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Slew Rate	11 V/μs
Current - Input Bias 2.5nA $ \begin{tabular}{lll} \hline Current - Input Offset & $10\mu V$ \\ \hline Current - Supply & $3.7mA$ \\ \hline Current - Output / Channel & $45mA$ \\ \hline Voltage - Supply, Single/Dual (\pm) & 5 \ V \sim 36 \ V, \pm 2.5 \ V \sim 18 \ V$ \\ \hline Operating Temperature & $-40^{\circ}C \sim 85^{\circ}C$ \\ \hline Mounting Type & Through Hole \\ \hline Package / Case & $8-DIP (0.300'', 7.62mm)$ \\ \hline \end{tabular} $	Gain Bandwidth Product	33MHz
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	-
Current - Supply 3.7mA Current - Output / Channel 45mA Voltage - Supply, Single/Dual (\pm) 5 V ~ 36 V, \pm 2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Current - Input Bias	2.5nA
Current - Output / Channel 45mA Voltage - Supply, Single/Dual (\pm) 5 V ~ 36 V, \pm 2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Voltage - Input Offset	$10\mu V$
Voltage - Supply, Single/Dual (\pm) 5 V ~ 36 V, \pm 2.5 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Current - Supply	3.7mA
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Current - Output / Channel	45mA
Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)	Voltage - Supply, Single/Dual (±)	5 V ~ 36 V, ±2.5 V ~ 18 V
Package / Case 8-DIP (0.300", 7.62mm)	Operating Temperature	-40°C ~ 85°C
	Mounting Type	Through Hole
G I' D ' D I	Package / Case	8-DIP (0.300", 7.62mm)
Supplier Device Package 8-PDIP	Supplier Device Package	8-PDIP
Report errors		Report errors?

OPA2228PAG4 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.

OPA2228PAG4 Payment Methods



















OPA2228PAG4 Shipping Methods













If you have any question about OPA2228PAG4, please do not hesitate to contact us!

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