



### MAX414EPD+ Information



For Reference Only

Part Number MAX414EPD+
Manufacturer Maxim Integrated
Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 28MHZ 14DIP **Package** 14-DIP (0.300", 7.62mm)

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.









## **MAX414EPD+ Specifications**

Manufacturer Part Number         MAX414EPD+           Manufacturer         Maxim Integrated           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         14-DIP (0.300", 7.62mm)           Series         -           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         -           Slew Rate         4.5 V/μs           Gain Bandwidth Product         28MHz           -3db Bandwidth         -           Current - Input Bias         80nA           Voltage - Input Offset         150μV           Current - Supply         2.5mA           Current - Output / Channel         35mA           Voltage - Supply, Single/Dual (±)         4.8 V ~ 10.5 V, ±2.4 V ~ 5.25 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Through Hole           Package / Case         14-DIP (0.300", 7.62mm)           Supplier Device Package         14-PDIP		
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Amplifier TypeGeneral PurposeNumber of Circuits4Output Type-Slew Rate $4.5 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $28\text{MHz}$ -3db Bandwidth-Current - Input Bias $80\text{nA}$ Voltage - Input Offset $150\mu\text{V}$ Current - Supply $2.5\text{mA}$ Current - Output / Channel $35\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $4.8 \text{ V} \sim 10.5 \text{ V}, \pm 2.4 \text{ V} \sim 5.25 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeThrough HolePackage / Case $14\text{-DIP} (0.300^{\circ}, 7.62\text{mm})$ Supplier Device Package $14\text{-PDIP}$	Package	14-DIP (0.300", 7.62mm)
Number of Circuits         4           Output Type         -           Slew Rate         4.5 V/μs           Gain Bandwidth Product         28MHz           -3db Bandwidth         -           Current - Input Bias         80nA           Voltage - Input Offset         150μV           Current - Supply         2.5mA           Current - Output / Channel         35mA           Voltage - Supply, Single/Dual (±)         4.8 V ~ 10.5 V, ±2.4 V ~ 5.25 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Through Hole           Package / Case         14-DIP (0.300", 7.62mm)           Supplier Device Package         14-PDIP	Series	-
Output Type - Slew Rate 4.5 V/ $\mu$ s   Gain Bandwidth Product 28MHz - 3db Bandwidth - Current - Input Bias 80nA   Voltage - Input Offset 150 $\mu$ V   Current - Supply 2.5mA   Current - Output / Channel 35mA   Voltage - Supply, Single/Dual ( $\pm$ ) 4.8 V ~ 10.5 V, $\pm$ 2.4 V ~ 5.25 V   Operating Temperature -40°C ~ 85°C   Mounting Type Through Hole   Package / Case 14-DIP (0.300", 7.62mm)   Supplier Device Package 14-PDIP	Amplifier Type	General Purpose
Slew Rate 4.5 V/ $\mu$ s   Gain Bandwidth Product 28MHz   -3db Bandwidth   - Current - Input Bias 80nA   Voltage - Input Offset 150 $\mu$ V   Current - Supply 2.5mA   Current - Output / Channel 35mA   Voltage - Supply, Single/Dual ( $\pm$ ) 4.8 V ~ 10.5 V, $\pm$ 2.4 V ~ 5.25 V   Operating Temperature   -40°C ~ 85°C   Mounting Type Through Hole   Package / Case 14-DIP (0.300", 7.62mm)   Supplier Device Package 14-PDIP	Number of Circuits	4
Gain Bandwidth Product 28MHz  -3db Bandwidth  - Current - Input Bias 80nA  Voltage - Input Offset 150 $\mu$ V  Current - Supply 2.5mA  Current - Output / Channel 35mA  Voltage - Supply, Single/Dual ( $\pm$ ) 4.8 V ~ 10.5 V, $\pm$ 2.4 V ~ 5.25 V  Operating Temperature -40°C ~ 85°C  Mounting Type Through Hole  Package / Case 14-DIP (0.300", 7.62mm)  Supplier Device Package 14-PDIP	Output Type	-
$-3 db \ Bandwidth \\ -Current - Input \ Bias \\ 80 nA \\ Voltage - Input \ Offset \\ 150 \mu V \\ Current - Supply \\ 2.5 mA \\ Current - Output / Channel \\ 35 mA \\ Voltage - Supply, Single/Dual (\pm) 4.8 \ V \sim 10.5 \ V, \pm 2.4 \ V \sim 5.25 \ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 85^{\circ}C \\ Mounting \ Type \\ Through \ Hole \\ Package / Case \\ 14-DIP (0.300'', 7.62 mm) \\ Supplier \ Device \ Package \\ 14-PDIP$	Slew Rate	4.5 V/μs
Current - Input Bias 80nA  Voltage - Input Offset 150 $\mu$ V  Current - Supply 2.5mA  Current - Output / Channel 35mA  Voltage - Supply, Single/Dual ( $\pm$ ) 4.8 V ~ 10.5 V, $\pm$ 2.4 V ~ 5.25 V  Operating Temperature -40°C ~ 85°C  Mounting Type Through Hole  Package / Case 14-DIP (0.300", 7.62mm)  Supplier Device Package 14-PDIP	Gain Bandwidth Product	28MHz
Voltage - Input Offset $150\mu V$ $Current - Supply \qquad 2.5mA$ $Current - Output / Channel \qquad 35mA$ $Voltage - Supply, Single/Dual (\pm) 4.8 \ V \sim 10.5 \ V, \pm 2.4 \ V \sim 5.25 \ V Operating Temperature \qquad -40^{\circ}C \sim 85^{\circ}C Mounting Type \qquad Through Hole Package / Case \qquad 14-DIP (0.300'', 7.62mm) Supplier Device Package \qquad 14-PDIP$	-3db Bandwidth	-
Current - Supply Current - Output / Channel 35mA  Voltage - Supply, Single/Dual (±) 4.8 V ~ 10.5 V, ±2.4 V ~ 5.25 V  Operating Temperature -40°C ~ 85°C  Mounting Type Through Hole Package / Case 14-DIP (0.300", 7.62mm)  Supplier Device Package	Current - Input Bias	80nA
Current - Output / Channel $35mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $4.8 \text{ V} \sim 10.5 \text{ V}, \pm 2.4 \text{ V} \sim 5.25 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Through Hole  Package / Case $14\text{-DIP}$ ( $0.300^{\circ}$ , $7.62mm$ )  Supplier Device Package $14\text{-PDIP}$	Voltage - Input Offset	150μV
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Operating Temperature  -40°C ~ 85°C  Mounting Type  Through Hole  Package / Case  14-DIP (0.300", 7.62mm)  Supplier Device Package  14-PDIP	Current - Output / Channel	35mA
Mounting Type Through Hole Package / Case 14-DIP (0.300", 7.62mm) Supplier Device Package 14-PDIP	Voltage - Supply, Single/Dual $(\pm)$	4.8 V ~ 10.5 V, ±2.4 V ~ 5.25 V
Package / Case 14-DIP (0.300", 7.62mm)  Supplier Device Package 14-PDIP	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 14-PDIP	Mounting Type	Through Hole
	Package / Case	14-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	14-PDIP
		Report errors?

#### **MAX414EPD+ 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.

# **MAX414EPD+ Payment Methods**



















## **MAX414EPD+ Shipping Methods**













If you have any question about MAX414EPD+, please do not hesitate to contact us!

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