



## **OPA820IDRG4** Information



For Reference Only

Part Number OPA820IDRG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP VFB 280MHZ 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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## **OPA820IDRG4** Specifications

Manufacturer Part Number       OPA820IDRG4         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       Voltage Feedback         Number of Circuits       1         Output Type       -         Slew Rate       240 V/μs         Gain Bandwidth Product       280MHz         -3db Bandwidth       800MHz         Current - Input Bias       9μA         Voltage - Input Offset       200μV         Current - Supply       5.6mA         Current - Output / Channel       110mA         Voltage - Supply, Single/Dual (±)       5 V ~ 12 V, ±2.5 V ~ 6 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       8-SOIC (0.154", 3.90mm Width)         Supplier Device Package       8-SOIC		
Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Amplifier Type         Voltage Feedback           Number of Circuits         1           Output Type         -           Slew Rate         240 V/μs           Gain Bandwidth Product         280MHz           -3db Bandwidth         800MHz           Current - Input Bias         9μA           Voltage - Input Offset         200μV           Current - Output / Channel         110mA           Voltage - Supply, Single/Dual (±)         5 V ~ 12 V, ±2.5 V ~ 6 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	OPA820IDRG4
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Series - Amplifier Type Voltage Feedback Number of Circuits 1   Output Type - Slew Rate		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type  Number of Circuits  1  Output Type  Slew Rate  240 V/µs  Gain Bandwidth Product  -3db Bandwidth  800MHz  Current - Input Bias  9µA  Voltage - Input Offset  200µV  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  Mounting Type  Package / Case  Voltage Feedback  1  Voltage Feedback  1  1  1  1  1  1  1  1  1  1  1  1  1	Package	8-SOIC (0.154", 3.90mm Width)
Number of Circuits       1         Output Type       -         Slew Rate       240 V/μs         Gain Bandwidth Product       280MHz         -3db Bandwidth       800MHz         Current - Input Bias       9μA         Voltage - Input Offset       200μV         Current - Supply       5.6mA         Current - Output / Channel       110mA         Voltage - Supply, Single/Dual (±)       5 V ~ 12 V, ±2.5 V ~ 6 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       8-SOIC (0.154", 3.90mm Width)	Series	-
Output Type - Slew Rate 240 V/ $\mu$ s Gain Bandwidth Product 280MHz -3db Bandwidth 800MHz   Current - Input Bias 9 $\mu$ A   Voltage - Input Offset 200 $\mu$ V   Current - Supply 5.6mA   Current - Output / Channel 110mA   Voltage - Supply, Single/Dual ( $\pm$ ) 5 V ~ 12 V, $\pm$ 2.5 V ~ 6 V   Operating Temperature -40°C ~ 85°C   Mounting Type Surface Mount   Package / Case 8-SOIC (0.154", 3.90mm Width)	Amplifier Type	Voltage Feedback
Slew Rate $ 240 \text{ V/}\mu\text{s} $ Gain Bandwidth Product $ 280 \text{MHz} $ $-3 \text{db Bandwidth} $ $ 800 \text{MHz} $ Current - Input Bias $ 9\mu\text{A} $ Voltage - Input Offset $ 200\mu\text{V} $ Current - Supply $ 5.6 \text{mA} $ Current - Output / Channel $ 110 \text{mA} $ Voltage - Supply, Single/Dual ( $\pm$ ) $ 5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V} $ Operating Temperature $ -40^{\circ}\text{C} \sim 85^{\circ}\text{C} $ Mounting Type $ \text{Surface Mount} $ Package / Case $ 8-\text{SOIC } (0.154^{\circ}\text{I}, 3.90 \text{mm Width}) $	Number of Circuits	1
Gain Bandwidth Product 280MHz -3db Bandwidth 800MHz Current - Input Bias 9 $\mu$ A Voltage - Input Offset 200 $\mu$ V Current - Supply 5.6mA Current - Output / Channel 110mA Voltage - Supply, Single/Dual (±) 5 V ~ 12 V, ±2.5 V ~ 6 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Output Type	-
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Slew Rate	240 V/μs
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Gain Bandwidth Product	280MHz
Voltage - Input Offset	-3db Bandwidth	800MHz
Current - Supply $5.6mA$ Current - Output / Channel $110mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-SOIC }(0.154\text{"}, 3.90\text{mm Width})$	Current - Input Bias	9μΑ
Current - Output / Channel $110mA$ Voltage - Supply, Single/Dual (±) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-SOIC } (0.154^{\circ}, 3.90\text{mm Width})$	Voltage - Input Offset	200μV
Voltage - Supply, Single/Dual ( $\pm$ ) 5 V ~ 12 V, $\pm$ 2.5 V ~ 6 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Supply	5.6mA
Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Output / Channel	110mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Voltage - Supply, Single/Dual (±)	5 V ~ 12 V, ±2.5 V ~ 6 V
Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 85°C
	Mounting Type	Surface Mount
Supplier Device Package 8-SOIC	Package / Case	8-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	8-SOIC
Report errors		Report errors?

#### **OPA820IDRG4** Guarantees



#### **Quality Guarantees**

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Our experienced sales team and tech support team back our services to satisfy all our customers.

## **OPA820IDRG4 Payment Methods**



















### **OPA820IDRG4** Shipping Methods













If you have any question about OPA820IDRG4, please do not hesitate to contact us!

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