



### **THS4221DG4 Information**



For Reference Only

Part Number THS4221DG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP VFB 120MHZ RRO 8SOIC

**Package** 8-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



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.









# **THS4221DG4 Specifications**

Manufacturer Part Number  Manufacturer  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  Output Type  Rail-to-Rail  Slew Rate  990 V/µs  Gain Bandwidth Product  -3db Bandwidth  230MHz  Current - Input Bias  Voltage - Input Offset  3mV  Current - Supply  14mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	-	
CategoryIntegrated Circuits (ICs)Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-SOIC (0.154", 3.90mm Width)Series-Amplifier TypeVoltage FeedbackNumber of Circuits1Output TypeRail-to-RailSlew Rate990 V/μsGain Bandwidth Product120MHz-3db Bandwidth230MHzCurrent - Input Bias900nAVoltage - Input Offset3mVCurrent - Supply14mACurrent - Output / Channel100mAVoltage - Supply, Single/Dual (±)2.7 V ~ 15 V, ±1.35 V ~ 7.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	THS4221DG4
Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps  8-SOIC (0.154", 3.90mm Width)  Series  - Amplifier Type  Voltage Feedback  Number of Circuits  1 Output Type  Rail-to-Rail  Slew Rate  990 V/µs  Gain Bandwidth Product  -3db Bandwidth  230MHz  Current - Input Bias  900nA  Voltage - Input Offset  3mV  Current - Supply  14mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Manufacturer	Texas Instruments
Package 8-SOIC (0.154", 3.90mm Width)  Series - Amplifier Type Voltage Feedback  Number of Circuits 1 Output Type Rail-to-Rail Slew Rate 990 V/µs  Gain Bandwidth Product 120MHz -3db Bandwidth Current - Input Bias 900nA  Voltage - Input Offset 3mV  Current - Supply 14mA  Current - Output / Channel 100mA  Voltage - Supply, Single/Dual (±) 2.7 V ~ 15 V, ±1.35 V ~ 7.5 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
Series-Amplifier TypeVoltage FeedbackNumber of Circuits1Output TypeRail-to-RailSlew Rate990 V/μsGain Bandwidth Product120MHz-3db Bandwidth230MHzCurrent - Input Bias900nAVoltage - Input Offset3mVCurrent - Supply14mACurrent - Output / Channel100mAVoltage - Supply, Single/Dual (±)2.7 V ~ 15 V, ±1.35 V ~ 7.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type  Number of Circuits  1  Output Type  Rail-to-Rail  Slew Rate  990 V/µs  Gain Bandwidth Product  -3db Bandwidth  230MHz  Current - Input Bias  900nA  Voltage - Input Offset  3mV  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Voltage - Supply, Single/Dual (±)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Voltage - Sonc (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
Number of Circuits       1         Output Type       Rail-to-Rail         Slew Rate       990 V/μs         Gain Bandwidth Product       120MHz         -3db Bandwidth       230MHz         Current - Input Bias       900nA         Voltage - Input Offset       3mV         Current - Supply       14mA         Current - Output / Channel       100mA         Voltage - Supply, Single/Dual (±)       2.7 V ~ 15 V, ±1.35 V ~ 7.5 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       8-SOIC (0.154", 3.90mm Width)	Series	-
Output Type Rail-to-Rail  Slew Rate 990 V/µs  Gain Bandwidth Product 120MHz  -3db Bandwidth 230MHz  Current - Input Bias 900nA  Voltage - Input Offset 3mV  Current - Supply 14mA  Current - Output / Channel Voltage - Supply, Single/Dual (±) 2.7 V ~ 15 V, ±1.35 V ~ 7.5 V  Operating Temperature 40°C ~ 85°C  Mounting Type Package / Case 8-SOIC (0.154", 3.90mm Width)	Amplifier Type	Voltage Feedback
Slew Rate 990 V/µs  Gain Bandwidth Product 120MHz  -3db Bandwidth 230MHz  Current - Input Bias 900nA  Voltage - Input Offset 3mV  Current - Supply 14mA  Current - Output / Channel 100mA  Voltage - Supply, Single/Dual (±) 2.7 V ~ 15 V, ±1.35 V ~ 7.5 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	Number of Circuits	1
Gain Bandwidth Product  -3db Bandwidth  230MHz  Current - Input Bias  900nA  Voltage - Input Offset  3mV  Current - Supply  14mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  2.7 V ~ 15 V, ±1.35 V ~ 7.5 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Output Type	Rail-to-Rail
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Slew Rate	990 V/μs
Current - Input Bias  Voltage - Input Offset  3mV  Current - Supply  14mA  Current - Output / Channel  100mA  Voltage - Supply, Single/Dual (±)  2.7 V ~ 15 V, ±1.35 V ~ 7.5 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Gain Bandwidth Product	120MHz
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	230MHz
Current - Supply $14mA$ Current - Output / Channel $100mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.7 \text{ V} \sim 15 \text{ V}, \pm 1.35 \text{ V} \sim 7.5 \text{ V}$ 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)	Current - Input Bias	900nA
$\begin{tabular}{lll} Current - Output / Channel & 100mA & \\ Voltage - Supply, Single/Dual (\pm) & 2.7 V ~ 15 V, \pm1.35 V ~ 7.5 V & \\ Operating Temperature & -40°C ~ 85°C & \\ Mounting Type & Surface Mount & \\ Package / Case & 8-SOIC (0.154", 3.90mm Width) & \\ \end{tabular}$	Voltage - Input Offset	3mV
Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 15 V, $\pm$ 1.35 V ~ 7.5 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Supply	14mA
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Output / Channel	100mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Voltage - Supply, Single/Dual (±)	2.7 V ~ 15 V, ±1.35 V ~ 7.5 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?

### **THS4221DG4 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.

# **THS4221DG4 Payment Methods**



















### **THS4221DG4 Shipping Methods**













If you have any question about THS4221DG4, please do not hesitate to contact us!

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