



THS4631DGN Information



For Reference Only

Part Number THS4631DGN

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

Description IC OPAMP GP 210MHZ 8MSOP

Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)

Exposed Pad

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.









THS4631DGN Specifications

Manufacturer Part Number THS4631DGN Manufacturer Texas Instruments Category Integrated Circuits (ICs) Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Series - Amplifier Type General Purpose Number of Circuits 1 Output Type - Slew Rate 1000 V/μs Gain Bandwidth Product 210MHz -3db Bandwidth 325MHz Current - Input Bias 50pA Voltage - Input Offset 260μV Current - Supply 11.5mA Current - Output / Channel 98mA Voltage - Supply, Single/Dual (±) 10 V ~ 30 V, ±5 V ~ 15 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad	•	
Category Integrated Circuits (ICs) Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Series - Amplifier Type General Purpose Number of Circuits 1 Output Type - Slew Rate 1000 V/μs Gain Bandwidth Product 210MHz -3db Bandwidth 325MHz Current - Input Bias 50pA Voltage - Input Offset 260μV Current - Supply 11.5mA Current - Output / Channel 98mA Voltage - Supply, Single/Dual (±) 10 V ~ 30 V, ±5 V ~ 15 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad	Manufacturer Part Number	THS4631DGN
Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Amplifier TypeGeneral PurposeNumber of Circuits1Output Type-Slew Rate1000 V/μsGain Bandwidth Product210MHz-3db Bandwidth325MHzCurrent - Input Bias50pAVoltage - Input Offset260μVCurrent - Supply11.5mACurrent - Output / Channel98mAVoltage - Supply, Single/Dual (±)10 V ~ 30 V, ±5 V ~ 15 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Manufacturer	Texas Instruments
Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Amplifier TypeGeneral PurposeNumber of Circuits1Output Type-Slew Rate1000 V/μsGain Bandwidth Product210MHz-3db Bandwidth325MHzCurrent - Input Bias50pAVoltage - Input Offset260μVCurrent - Supply11.5mACurrent - Output / Channel98mAVoltage - Supply, Single/Dual (±)10 V ~ 30 V, ±5 V ~ 15 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Category	Integrated Circuits (ICs)
Series - Amplifier Type General Purpose Number of Circuits 1 Output Type - Slew Rate 1000 V/μs Gain Bandwidth Product 210MHz -3db Bandwidth 325MHz Current - Input Bias 50pA Voltage - Input Offset 260μV Current - Supply 11.5mA Current - Output / Channel 98mA Voltage - Supply, Single/Dual (±) 10 V ~ 30 V, ±5 V ~ 15 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier TypeGeneral PurposeNumber of Circuits1Output Type-Slew Rate $1000 \text{ V/}\mu\text{s}$ Gain Bandwidth Product 210MHz -3db Bandwidth 325MHz Current - Input Bias 50pA Voltage - Input Offset $260\mu\text{V}$ Current - Supply 11.5mA Current - Output / Channel 98mA Voltage - Supply, Single/Dual (\pm) $10 \text{ V} \sim 30 \text{ V}, \pm 5 \text{ V} \sim 15 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8-\text{TSSOP}, 8-\text{MSOP} (0.118", 3.00\text{mm Width}) \text{ Exposed Pad}$ Supplier Device Package $8-\text{MSOP-PowerPad}$	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Number of Circuits1Output Type-Slew Rate 1000 V/μs Gain Bandwidth Product 210MHz -3db Bandwidth 325MHz Current - Input Bias 50pA Voltage - Input Offset $260\mu\text{V}$ Current - Supply 11.5mA Current - Output / Channel 98mA Voltage - Supply, Single/Dual (±) $10 \text{ V} \sim 30 \text{ V}, \pm 5 \text{ V} \sim 15 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8-\text{TSSOP}$, $8-\text{MSOP}$ (0.118° , 3.00mm Width) Exposed PadSupplier Device Package $8-\text{MSOP-PowerPad}$	Series	-
Output Type-Slew Rate 1000 V/µs Gain Bandwidth Product 210MHz -3db Bandwidth 325MHz Current - Input Bias 50pA Voltage - Input Offset 260µV Current - Supply 11.5mA Current - Output / Channel 98mA Voltage - Supply, Single/Dual (\pm) $10 \text{ V} \sim 30 \text{ V}, \pm 5 \text{ V} \sim 15 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case 8-TSSOP , 8-MSOP (0.118° , 3.00mm Width) Exposed PadSupplier Device Package 8-MSOP-PowerPad	Amplifier Type	General Purpose
Slew Rate $1000 \text{ V/}\mu\text{s}$ 210MHz 210MHz 325MHz Current - Input Bias 50pA Voltage - Input Offset $260\mu\text{V}$ 11.5mA Current - Output / Channel 98mA Voltage - Supply, Single/Dual (\pm) $10 \text{ V} \sim 30 \text{ V}, \pm 5 \text{ V} \sim 15 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $8-\text{MSOP-PowerPad}$	Number of Circuits	1
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Output Type	-
$-3 db \ Bandwidth \qquad 325 MHz \\ Current - Input \ Bias \qquad 50 pA \\ Voltage - Input \ Offset \qquad 260 \mu V \\ Current - Supply \qquad 11.5 mA \\ Current - Output / Channel \qquad 98 mA \\ Voltage - Supply, Single/Dual (\pm) 10 \ V \sim 30 \ V, \pm5 \ V \sim 15 \ V Operating Temperature -40 °C \sim 85 °C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad$	Slew Rate	1000 V/μs
Current - Input Bias $50pA$ Voltage - Input Offset $260\mu V$ Current - Supply $11.5mA$ Current - Output / Channel $98mA$ Voltage - Supply, Single/Dual (\pm) $10 \ V \sim 30 \ V, \pm 5 \ V \sim 15 \ V$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting TypeSurface MountPackage / Case 8 -TSSOP, 8 -MSOP (0.118 ", 3.00 mm Width) Exposed PadSupplier Device Package 8 -MSOP-PowerPad	Gain Bandwidth Product	210MHz
Voltage - Input Offset $ 260\mu V $ Current - Supply $ 11.5mA $ Current - Output / Channel $ 98mA $ Voltage - Supply, Single/Dual (\pm) $ 10\ V \sim 30\ V, \pm 5\ V \sim 15\ V $ Operating Temperature $ -40^{\circ}C \sim 85^{\circ}C $ Mounting Type $ Surface\ Mount $ Package / Case $ 8-TSSOP,\ 8-MSOP\ (0.118'',\ 3.00mm\ Width)\ Exposed\ Pad $ Supplier Device Package $ 8-MSOP-PowerPad $	-3db Bandwidth	325MHz
Current - Supply Current - Output / Channel 98mA Voltage - Supply, Single/Dual (±) 10 V ~ 30 V, ±5 V ~ 15 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad	Current - Input Bias	50pA
Current - Output / Channel 98mA Voltage - Supply, Single/Dual (±) 10 V ~ 30 V, ±5 V ~ 15 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad	Voltage - Input Offset	260μV
Voltage - Supply, Single/Dual (\pm) 10 V ~ 30 V, \pm 5 V ~ 15 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad	Current - Supply	11.5mA
Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad	Current - Output / Channel	98mA
Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad	Voltage - Supply, Single/Dual (±)	10 V ~ 30 V, ±5 V ~ 15 V
Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 8-MSOP-PowerPad	Mounting Type	Surface Mount
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Report errors?	Supplier Device Package	8-MSOP-PowerPad
		Report errors?

THS4631DGN 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.

THS4631DGN Payment Methods



















THS4631DGN Shipping Methods













If you have any question about THS4631DGN, please do not hesitate to contact us!

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