



THS4500CDGN Information



For Reference Only

Part Number THS4500CDGN
Manufacturer Texas Instruments
Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

Description IC OPAMP DIFF 300MHZ 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



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THS4500CDGN Specifications

| Manufacturer Part Number THS4500CDGN 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 Differential Number of Circuits 1 Output Type Differential Slew Rate 2800 V/µs Gain Bandwidth Product 300MHz -3db Bandwidth 370MHz Current - Input Bias 4µA Voltage - Input Offset 4mV Current - Supply 23mA Current - Output / Channel 120mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 15 V, ±2.25 V ~ 7.5 V Operating Temperature 0°C ~ 70°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad | • | |
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| Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Amplifier TypeDifferentialNumber of Circuits1Output TypeDifferentialSlew Rate2800 V/µsGain Bandwidth Product300MHz-3db Bandwidth370MHzCurrent - Input Bias4µAVoltage - Input Offset4mVCurrent - Output / Channel120mAVoltage - Supply, Single/Dual (±)4.5 V ~ 15 V, ±2.25 V ~ 7.5 VOperating Temperature0°C ~ 70°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 TypeDifferentialNumber of Circuits1Output TypeDifferentialSlew Rate2800 V/μsGain Bandwidth Product300MHz-3db Bandwidth370MHzCurrent - Input Bias4μAVoltage - Input Offset4mVCurrent - Supply23mACurrent - Output / Channel120mAVoltage - Supply, Single/Dual (±)4.5 V ~ 15 V, ±2.25 V ~ 7.5 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad | Category | Integrated Circuits (ICs) |
| Series-Amplifier TypeDifferentialNumber of Circuits1Output TypeDifferentialSlew Rate2800 V/μsGain Bandwidth Product300MHz-3db Bandwidth370MHzCurrent - Input Bias4μAVoltage - Input Offset4mVCurrent - Supply23mACurrent - Output / Channel120mAVoltage - Supply, Single/Dual (±)4.5 V ~ 15 V, ±2.25 V ~ 7.5 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad | | Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps |
| Amplifier TypeDifferentialNumber of Circuits1Output TypeDifferentialSlew Rate2800 V/μsGain Bandwidth Product300MHz-3db Bandwidth370MHzCurrent - Input Bias4μAVoltage - Input Offset4mVCurrent - Supply23mACurrent - Output / Channel120mAVoltage - Supply, Single/Dual (±)4.5 V ~ 15 V, ±2.25 V ~ 7.5 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad | Package | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad |
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| Output TypeDifferentialSlew Rate2800 V/μsGain Bandwidth Product300MHz-3db Bandwidth370MHzCurrent - Input Bias4μAVoltage - Input Offset4mVCurrent - Supply23mACurrent - Output / Channel120mAVoltage - Supply, Single/Dual (±)4.5 V ~ 15 V, ±2.25 V ~ 7.5 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad | Amplifier Type | Differential |
| Slew Rate 2800 V/µs Gain Bandwidth Product 300MHz -3db Bandwidth 370MHz Current - Input Bias 4µA Voltage - Input Offset 4mV Current - Supply 23mA Current - Output / Channel 120mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 15 V, ±2.25 V ~ 7.5 V Operating Temperature 0°C ~ 70°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad | Number of Circuits | 1 |
| $ \begin{array}{llllllllllllllllllllllllllllllllllll$ | Output Type | Differential |
| -3db Bandwidth 370MHz Current - Input Bias 4μA Voltage - Input Offset 4mV Current - Supply 23mA Current - Output / Channel 120mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 15 V, ±2.25 V ~ 7.5 V Operating Temperature 0°C ~ 70°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 | 2800 V/μs |
| Current - Input Bias4μAVoltage - Input Offset4mVCurrent - Supply23mACurrent - Output / Channel120mAVoltage - Supply, Single/Dual (±)4.5 V ~ 15 V, ±2.25 V ~ 7.5 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad | Gain Bandwidth Product | 300MHz |
| Voltage - Input Offset Current - Supply 23mA Current - Output / Channel 120mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 15 V, ±2.25 V ~ 7.5 V Operating Temperature 0°C ~ 70°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 | 370MHz |
| Current - Supply 23mA Current - Output / Channel 120mA Voltage - Supply, Single/Dual (±) 4.5 V ~ 15 V, ±2.25 V ~ 7.5 V Operating Temperature 0°C ~ 70°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 | $4\mu A$ |
| Current - Output / Channel 120mA Voltage - Supply, Single/Dual (\pm) $4.5 \text{ V} \sim 15 \text{ V}, \pm 2.25 \text{ V} \sim 7.5 \text{ V}$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-TSSOP}, 8\text{-MSOP} (0.118", 3.00 \text{mm Width})$ Exposed PadSupplier Device Package 8-MSOP-PowerPad | Voltage - Input Offset | 4mV |
| Voltage - Supply, Single/Dual (\pm) 4.5 V ~ 15 V, \pm 2.25 V ~ 7.5 V Operating Temperature 0°C ~ 70°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 | 23mA |
| Operating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad | Current - Output / Channel | 120mA |
| 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 (±) | 4.5 V ~ 15 V, ±2.25 V ~ 7.5 V |
| Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 8-MSOP-PowerPad | Operating Temperature | 0°C ~ 70°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? |

THS4500CDGN 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.

THS4500CDGN Payment Methods





















THS4500CDGN Shipping Methods













If you have any question about THS4500CDGN, please do not hesitate to contact us!

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