



THS4501CDGNR Information



For Reference Only

Part Number THS4501CDGNR

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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THS4501CDGNR Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-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 Pad	•	
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Series - Amplifier Type Differential Number of Circuits 1 Output Type Differential Slew Rate 2800 V/μs Gain Bandwidth Product 300MHz -3db Bandwidth Turent - 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		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
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	Series	-
Output Type Differential Slew Rate 2800 V/µs Gain Bandwidth Product 300MHz 370MHz Current - Input Bias 4µA Voltage - Input Offset 4mV Current - Supply 23mA Current - Output / Channel 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	Amplifier Type	Differential
Slew Rate Gain Bandwidth Product -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
Gain 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	Output Type	Differential
-3db Bandwidth 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	Slew Rate	2800 V/μs
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	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 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	4μΑ
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	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 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 - 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?

THS4501CDGNR 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.

THS4501CDGNR Payment Methods



















THS4501CDGNR Shipping Methods













If you have any question about THS4501CDGNR, please do not hesitate to contact us!

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