



THS4140IDGNR Information



For Reference Only

Part Number THS4140IDGNR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

Description IC OPAMP DIFF 205MHZ 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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THS4140IDGNR Specifications

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 450 V/μs Gain Bandwidth Product 205MHz -3db Bandwidth 160MHz Current - Input Bias 5.1μA Voltage - Input Offset ImV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	•	
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Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Series - Amplifier Type Differential Number of Circuits 1 Output Type Differential Slew Rate 450 V/µs Gain Bandwidth Product -3db Bandwidth 160MHz Current - Input Bias 5.1µA Voltage - Input Offset 1mV Current - Supply 13.2mA Current - Output / Channel Voltage - Supply, Single/Dual (±) Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad S-MSOP-PowerPad	Manufacturer	Texas Instruments
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Series -		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type Differential Number of Circuits 1 Output Type Differential Slew Rate $450 \text{ V/}\mu\text{s}$ Gain Bandwidth Product 205MHz -3db Bandwidth 160MHz Current - Input Bias $5.1\mu\text{A}$ Voltage - Input Offset 1mV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (\pm) $4\text{ V} \sim 33\text{ V}, \pm 2\text{ V} \sim 16.5\text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $8\text{-TSSOP}, 8\text{-MSOP} (0.118^{\circ}, 3.00\text{mm Width}) \text{ Exposed Pad}$ Supplier Device Package 8-MSOP-PowerPad	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Number of Circuits 1 Output Type Differential Slew Rate 450 V/ μ s Gain Bandwidth Product 205MHz -3db Bandwidth 160MHz Current - Input Bias 5.1 μ A Voltage - Input Offset 1mV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (\pm) 4 V ~ 33 V, \pm 2 V ~ 16.5 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	Series	-
Output TypeDifferentialSlew Rate450 V/μsGain Bandwidth Product205MHz-3db Bandwidth160MHzCurrent - Input Bias5.1μAVoltage - Input Offset1mVCurrent - Supply13.2mACurrent - Output / Channel85mAVoltage - Supply, Single/Dual (±)4 V ~ 33 V, ±2 V ~ 16.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Amplifier Type	Differential
Slew Rate 450 V/µs Gain Bandwidth Product 205MHz -3db Bandwidth 160MHz Current - Input Bias 5.1µA Voltage - Input Offset 1mV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	Number of Circuits	1
Gain Bandwidth Product -3db Bandwidth 160MHz Current - Input Bias 5.1μA Voltage - Input Offset 1mV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	Output Type	Differential
-3db Bandwidth Current - Input Bias 5.1μA Voltage - Input Offset 1mV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	Slew Rate	450 V/μs
Current - Input Bias 5.1μA Voltage - Input Offset 1mV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	Gain Bandwidth Product	205MHz
Voltage - Input Offset Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	-3db Bandwidth	160MHz
Current - Supply Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	5.1μΑ
Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	1mV
Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	13.2mA
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	85mA
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 V ~ 33 V, ±2 V ~ 16.5 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?

THS4140IDGNR 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.

THS4140IDGNR Payment Methods



















THS4140IDGNR Shipping Methods













If you have any question about THS4140IDGNR, please do not hesitate to contact us!

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