



THS4140CDGN Information



For Reference Only

Part Number THS4140CDGN
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



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.









THS4140CDGN 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 1mV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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		
Integrated Circuits (ICs)	Manufacturer Part Number	THS4140CDGN
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 ImV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 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	Manufacturer	Texas Instruments
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 1mV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	Category	Integrated Circuits (ICs)
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 1mV Current - Supply 13.2mA Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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 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 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 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 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 $450 \text{ V/}\mu\text{s}$ 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 $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 8 -TSSOP, 8 -MSOP (0.118° , 3.00mm Width) Exposed Pad Supplier Device Package 8	Amplifier 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 (±) $4\text{ V} \sim 33\text{ V}, \pm 2\text{ V} \sim 16.5\text{ V}$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Mounting Type Surface Mount $8-\text{TSSOP}, 8-\text{MSOP} (0.118^{\circ}, 3.00\text{mm Width}) \text{ Exposed Pad}$ Supplier Device Package $8-\text{MSOP-PowerPad}$	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 Voltage - Supply, Single/Dual (±) Operating Temperature 0°C ~ 70°C Mounting Type Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package	Output Type	Differential
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 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	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 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	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 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	160MHz
Current - Supply Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	5.1μΑ
Current - Output / Channel 85mA Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	1mV
Voltage - Supply, Single/Dual (±) 4 V ~ 33 V, ±2 V ~ 16.5 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	13.2mA
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	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	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?

THS4140CDGN 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.

THS4140CDGN Payment Methods



















THS4140CDGN Shipping Methods













If you have any question about THS4140CDGN, please do not hesitate to contact us!

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