



#### **THS4131IDGN Information**



For Reference Only

Part Number THS4131IDGN
Manufacturer Texas Instruments
Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP DIFF 225MHZ 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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# **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.









## **THS4131IDGN Specifications**

Series - Amplifier Type Differential Number of Circuits 1	•	
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         52 V/μs           Gain Bandwidth Product         225MHz           -3db Bandwidth         150MHz           Current - Input Bias         2μA           Voltage - Input Offset         200μV           Current - Supply         12.3mA           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	Manufacturer Part Number	THS4131IDGN
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Gain Bandwidth Product 225MHz 150MHz 150MHz   Current - Input Bias 2 $\mu$ A   Voltage - Input Offset 200 $\mu$ V   Current - Supply 12.3mA   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                                    $	Slew Rate	52 V/μs
Current - Input Bias $2\mu A$ Voltage - Input Offset $200\mu V$ Current - Supply $12.3\text{mA}$ Current - Output / Channel $85\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $4 V \sim 33 V, \pm 2 V \sim 16.5 V$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $8\text{-TSSOP}, 8\text{-MSOP} (0.118'', 3.00\text{mm Width})$ Exposed Pad Supplier Device Package $8\text{-MSOP-PowerPad}$	Gain Bandwidth Product	225MHz
Voltage - Input Offset $200\mu V$ Current - Supply $12.3mA$ Current - Output / Channel $85mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $4 V \sim 33 V$ , $\pm 2 V \sim 16.5 V$ 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	150MHz
Current - Supply  12.3mA  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	2μΑ
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	$200\mu V$
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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?

#### **THS4131IDGN 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.

## **THS4131IDGN Payment Methods**



















### **THS4131IDGN Shipping Methods**













If you have any question about THS4131IDGN, please do not hesitate to contact us!

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