



#### **THS4150IDGN Information**



For Reference Only

Part Number THS4150IDGN

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

Buffer Amps

**Description** IC OPAMP DIFF 340MHZ 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**

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## **THS4150IDGN Specifications**

Manufacturer Part Number  Manufacturer  Texas Instruments  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  650 V/µs  Gain Bandwidth Product  -3db Bandwidth  150MHz  Current - Input Bias  Voltage - Input Offset  1.1mV  Current - Supply  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Voltage - Supply, Single/Dual (±)  Voreating Temperature  Mounting Type  Series -  A-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Texas Instruments  Linev  1.1mV  1.5mA  Voltage - Supply, Single/Dual (±)  4 V ~ 33 V, ±2 V ~ 16.5 V  Operating Temperature  Mounting Type  Series - Amplifiers - Instrumentation, OP Amps, Buffer Amps  1.1mV  1.1mV  1.1mV  1.1mV  1.1mV  1.2 V ~ 16.5 V  1.3 V ~ 20 V ~ 16.5 V  1.4 V ~ 33 V, ±2 V ~ 16.5 V  1.5 V  1	*	
CategoryIntegrated Circuits (ICs)Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Amplifier TypeDifferentialNumber of Circuits1Output TypeDifferentialSlew Rate650 V/μsGain Bandwidth Product340MHz-3db Bandwidth150MHzCurrent - Input Bias4.3μAVoltage - Input Offset1.1mVCurrent - Supply17.5mACurrent - Output / Channel85mAVoltage - Supply, Single/Dual (±)4 V ~ 33 V, ±2 V ~ 16.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface Mount	Manufacturer Part Number	THS4150IDGN
Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Amplifier TypeDifferentialNumber of Circuits1Output TypeDifferentialSlew Rate650 V/μsGain Bandwidth Product340MHz-3db Bandwidth150MHzCurrent - Input Bias4.3μAVoltage - Input Offset1.1mVCurrent - Supply17.5mACurrent - Output / Channel85mAVoltage - Supply, Single/Dual (±)4 V ~ 33 V, ±2 V ~ 16.5 VOperating Temperature-40°C ~ 85°CMounting TypeSurface Mount	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 650 V/µs  Gain Bandwidth Product 340MHz -3db Bandwidth  Current - Input Bias 4.3µA  Voltage - Input Offset 1.1mV  Current - Supply 17.5mA  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	Category	Integrated Circuits (ICs)
Series - Amplifier Type Differential Number of Circuits 1   Output Type Differential Slew Rate $650 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $340 \text{MHz}$ -3db Bandwidth   Current - Input Bias $4.3 \mu\text{A}$ Voltage - Input Offset $1.1 \text{mV}$ Current - Supply $17.5 \text{mA}$ Current - Output / Channel $85 \text{mA}$ 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		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type Differential  Number of Circuits 1  Output Type Differential  Slew Rate $650 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $340 \text{MHz}$ -3db Bandwidth  150MHz  Current - Input Bias $4.3\mu\text{A}$ Voltage - Input Offset $1.1\text{mV}$ Current - Supply $17.5\text{mA}$ Current - Output / Channel $85\text{mA}$ 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	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Number of Circuits1Output TypeDifferentialSlew Rate $650 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $340\text{MHz}$ -3db Bandwidth $150\text{MHz}$ Current - Input Bias $4.3\mu\text{A}$ Voltage - Input Offset $1.1\text{mV}$ Current - Supply $17.5\text{mA}$ Current - Output / Channel $85\text{mA}$ 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 TypeSurface Mount	Series	-
Output Type Differential Slew Rate $650 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $340 \text{MHz}$ -3db Bandwidth Product $150 \text{MHz}$ Current - Input Bias $4.3 \mu\text{A}$ Voltage - Input Offset $1.1 \text{mV}$ Current - Supply $17.5 \text{mA}$ Current - Output / Channel $85 \text{mA}$ 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	Amplifier Type	Differential
Slew Rate 650 V/ $\mu$ s  Gain Bandwidth Product 340MHz  -3db Bandwidth 150MHz  Current - Input Bias 4.3 $\mu$ A  Voltage - Input Offset 1.1mV  Current - Supply 17.5mA  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	Number of Circuits	1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Output Type	Differential
$-3 db \ Bandwidth                                    $	Slew Rate	650 V/μs
Current - Input Bias $4.3\mu A$ Voltage - Input Offset $1.1 mV$ Current - Supply $17.5 mA$ Current - Output / Channel $85 mA$ 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	Gain Bandwidth Product	340MHz
Voltage - Input Offset $1.1 \text{mV}$ Current - Supply $17.5 \text{mA}$ Current - Output / Channel $85 \text{mA}$ 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 TypeSurface Mount	-3db Bandwidth	150MHz
Current - Supply $17.5 mA$ Current - Output / Channel $85 mA$ 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 TypeSurface Mount	Current - Input Bias	4.3μΑ
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 TypeSurface Mount	Voltage - Input Offset	1.1mV
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	Current - Supply	17.5mA
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount	Current - Output / Channel	85mA
Mounting Type Surface Mount	Voltage - Supply, Single/Dual $(\pm)$	4 V ~ 33 V, ±2 V ~ 16.5 V
	Operating Temperature	-40°C ~ 85°C
Package / Case  9 TCCOD 9 MCOD (0 119" 2 00mm Width) France J De J	Mounting Type	Surface Mount
rackage / Case 8-1550P, 8-M50P (0.118, 3.00mm widin) exposed Pad	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Supplier Device Package 8-MSOP-PowerPad	Supplier Device Package	8-MSOP-PowerPad
Report errors?		Report errors?

#### **THS4150IDGN 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.

# **THS4150IDGN Payment Methods**



















### **THS4150IDGN Shipping Methods**













If you have any question about THS4150IDGN, please do not hesitate to contact us!

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