



### **THS4031CDGNR Information**



For Reference Only

Part Number THS4031CDGNR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP VFB 100MHZ 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.









## **THS4031CDGNR Specifications**

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Linear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Amplifier TypeVoltage FeedbackNumber of Circuits1Output Type-Slew Rate100 V/μsGain Bandwidth Product3db Bandwidth100MHzCurrent - Input Bias3μAVoltage - Input Offset500μVCurrent - Supply8.5mACurrent - Output / Channel90mAVoltage - Supply, Single/Dual (±)9 V ~ 32 V, ±4.5 V ~ 16 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	•	
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Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad           Series         -           Amplifier Type         Voltage Feedback           Number of Circuits         1           Output Type         -           Slew Rate         100 V/μs           Gain Bandwidth Product         -           -3db Bandwidth         100MHz           Current - Input Bias         3μA           Voltage - Input Offset         500μV           Current - Supply         8.5mA           Current - Output / Channel         90mA           Voltage - Supply, Single/Dual (±)         9 V ~ 32 V, ±4.5 V ~ 16 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)
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Number of Circuits 1 Output Type - Slew Rate 100 V/ $\mu$ s Gain Bandwidth Product3db Bandwidth 100MHz Current - Input Bias 3 $\mu$ A Voltage - Input Offset 500 $\mu$ V Current - Supply 8.5mA Current - Output / Channel 90mA Voltage - Supply, Single/Dual ( $\pm$ ) 9 V ~ 32 V, $\pm$ 4.5 V ~ 16 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  Slew Rate  100 V/μs  Gain Bandwidth Product  -3db Bandwidth  100MHz  Current - Input Bias  Voltage - Input Offset  500μV  Current - Supply  8.5mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad  Supplier Device Package	Amplifier Type	Voltage Feedback
Slew Rate  Gain Bandwidth Product -3db Bandwidth  100MHz  Current - Input Bias  Voltage - Input Offset  500μV  Current - Supply  8.5mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  100 V/μs	Number of Circuits	1
Gain Bandwidth Product -3db Bandwidth 100MHz  Current - Input Bias 3μA  Voltage - Input Offset 500μV  Current - Supply 8.5mA  Current - Output / Channel 90mA  Voltage - Supply, Single/Dual (±) 9 V ~ 32 V, ±4.5 V ~ 16 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	Output Type	-
$-3db \ Bandwidth                                    $	Slew Rate	100 V/μs
Current - Input Bias $3\mu A$ Voltage - Input Offset $500\mu V$ Current - Supply $8.5mA$ Current - Output / Channel $90mA$ Voltage - Supply, Single/Dual (±) $9 V \sim 32 V$ , $\pm 4.5 V \sim 16 V$ Operating Temperature $0^{\circ}C \sim 70^{\circ}C$ Mounting Type $Surface Mount$ Package / Case $8$ -TSSOP, $8$ -MSOP (0.118", $3.00mm Width$ ) Exposed Pad  Supplier Device Package $8$ -MSOP-PowerPad	Gain Bandwidth Product	-
Voltage - Input Offset $500\mu V$ Current - Supply $8.5 mA$ Current - Output / Channel $90 mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $9 V \sim 32 V$ , $\pm 4.5 V \sim 16 V$ Operating Temperature $0^{\circ}C \sim 70^{\circ}C$ Mounting Type Surface Mount Package / Case $8$ -TSSOP, $8$ -MSOP ( $0.118$ ", $3.00 mm$ Width) Exposed Pad Supplier Device Package $8$ -MSOP-PowerPad	-3db Bandwidth	100MHz
Current - Supply Current - Output / Channel 90mA  Voltage - Supply, Single/Dual (±) 9 V ~ 32 V, ±4.5 V ~ 16 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	3μΑ
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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	90mA
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 (±)	9 V ~ 32 V, ±4.5 V ~ 16 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?

#### **THS4031CDGNR 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.

# **THS4031CDGNR Payment Methods**



















## **THS4031CDGNR Shipping Methods**













If you have any question about THS4031CDGNR, please do not hesitate to contact us!

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