



#### **THS4042CDGN Information**



For Reference Only

Part Number THS4042CDGN

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP VFB 165MHZ 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.









# **THS4042CDGN 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         Voltage Feedback           Number of Circuits         2           Dutput Type         -           Slew Rate         400 V/μs           Gain Bandwidth Product         -           3db Bandwidth         165MHz           Current - Input Bias         2.5μA           Voltage - Input Offset         2.5mV           Current - Supply         8mA           Current - Output / Channel         100mA           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		
Integrated Circuits (ICs)	Manufacturer Part Number	THS4042CDGN
Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad Series - Amplifier Type Voltage Feedback Number of Circuits 2 Output Type - Slew Rate 400 V/µs Gain Bandwidth Product - 3db Bandwidth 165MHz Current - Input Bias 2.5µA Voltage - Input Offset 2.5mV Current - Supply 8mA Current - Output / Channel 100mA 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 Sepplier Device Package 8-MSOP-PowerPad	Manufacturer	Texas Instruments
Package       8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad         Series       -         Amplifier Type       Voltage Feedback         Number of Circuits       2         Output Type       -         Slew Rate       400 V/μs         Gain Bandwidth Product       -         3db Bandwidth       165MHz         Current - Input Bias       2.5μA         Voltage - Input Offset       2.5mV         Current - Supply       8mA         Current - Output / Channel       100mA         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)
Series   -		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier TypeVoltage FeedbackNumber of Circuits2Output Type-Slew Rate400 V/μsGain Bandwidth Product3db Bandwidth165MHzCurrent - Input Bias2.5μAVoltage - Input Offset2.5mVCurrent - Supply8mACurrent - Output / Channel100mAVoltage - 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 PadSupplier Device Package8-MSOP-PowerPad	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Number of Circuits 2   Dutput Type -   Slew Rate 400 V/μs   Gain Bandwidth Product -   .3db Bandwidth 165MHz   Current - Input Bias 2.5μA   Voltage - Input Offset 2.5mV   Current - Supply 8mA   Current - Output / Channel 100mA   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	Series	-
Cutput Type  Slew Rate  400 V/μs  Gain Bandwidth Product	Amplifier Type	Voltage Feedback
Slew Rate Gain Bandwidth Product - 3db Bandwidth 165MHz Current - Input Bias 2.5μA Voltage - Input Offset 2.5mV Current - Supply 8mA Current - Output / Channel 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 Supplier Device Package 8-MSOP-PowerPad	Number of Circuits	2
Gain Bandwidth Product -3db Bandwidth -165MHz Current - Input Bias -2.5μA Voltage - Input Offset -2.5mV Current - Supply -2.5mV Current - Output / Channel -3db Bandwidth	Output Type	-
165MHz Current - Input Bias 2.5μA Voltage - Input Offset 2.5mV Current - Supply 8mA Current - Output / Channel 100mA 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 8-MSOP-PowerPad	Slew Rate	400 V/μs
Current - Input Bias  2.5μA  Voltage - Input Offset  2.5mV  Current - Supply  8mA  Current - Output / Channel  100mA  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	Gain Bandwidth Product	-
Voltage - Input Offset  2.5mV  Current - Supply  8mA  Current - Output / Channel  100mA  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	-3db Bandwidth	165MHz
Current - Supply  Current - Output / Channel  100mA  Voltage - Supply, Single/Dual (±)  Operating Temperature  O°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	2.5μΑ
Current - Output / Channel  100mA  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	Voltage - Input Offset	2.5mV
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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?

#### **THS4042CDGN 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.

# **THS4042CDGN Payment Methods**





















### **THS4042CDGN Shipping Methods**













If you have any question about THS4042CDGN, please do not hesitate to contact us!

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