

Image may be representation.
See specifications for product details.



NCS2005SN1T1G

Manufacturer Part Number	NCS2005SN1T1G
Manufacturer	onsemi
Allelco Part Number	32D-NCS2005SN1T1G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC OPAMP GP 1 CIRCUIT 5TSOP
Package	SOT-23-5 Thin, TSOT-23-5
Data sheet	NCS2005.pdf
RoHs Status	ROHS3 Compliant

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Specifications

NCS2005SN1T1G Tech Specifications

NCS2005SN1T1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-40°C ~ 125°C
Voltage - Supply Span (Min)	2.2 V	Number of Circuits	1
Voltage - Supply Span (Max)	32 V	Mounting Type	Surface Mount
Voltage - Input Offset	200 µV	Gain Bandwidth Product	8.5 MHz
Supplier Device Package	5-TSOP	Current - Supply	1.3mA
Slew Rate	2.8V/µs	Current - Output / Channel	20 mA
Series	-	Current - Input Bias	50 nA
Package / Case	SOT-23-5 Thin, TSOT-23-5	Base Product Number	NCS2005
Package	Tape & Reel (TR)	Amplifier Type	General Purpose
Output Type	Rail-to-Rail		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCS2005SN1T1G

Product Attribute				
Part Number	NCS2005SN1T1G	NCS20032DTBR2G	NCS2002SN1T1	NCS20061SN2T1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Supplier Device Package	5-TSOP	8-TSSOP	6-TSOP	5-TSOP
Voltage - Input Offset	200 µV	500 µV	500 µV	500 µV
Voltage - Supply Span (Max)	32 V	5.5 V	7 V	5.5 V
Slew Rate	2.8V/µs	8V/µs	1.3V/µs	1.2V/µs
Current - Output / Channel	20 mA	96 mA	128 mA	19 mA
Current - Input Bias	50 nA	1 pA	10 pA	1 pA
Series	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gain Bandwidth Product	8.5 MHz	7 MHz	900 kHz	3 MHz
Amplifier Type	General Purpose	General Purpose	General Purpose	General Purpose
Base Product Number	NCS2005	NCS20032	NCS2002	NCS20061
Current - Supply	1.3mA	275µA (x2 Channels)	820µA	140µA
Package / Case	SOT-23-5 Thin, TSOT-23-5	8-TSSOP (0.173", 4.40mm Width)	SOT-23-6 Thin, TSOT-23-6	SOT-23-5 Thin, TSOT-23-5
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 105°C	-40°C ~ 125°C
Voltage - Supply Span (Min)	2.2 V	1.7 V	0.9 V	1.8 V
Number of Circuits	1	2	1	1
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail

NCS2005SN1T1G Datasheet PDF

Download NCS2005SN1T1G pdf datasheets and onsemi documentation for NCS2005SN1T1G - onsemi.

Datasheets

[NCS2005.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

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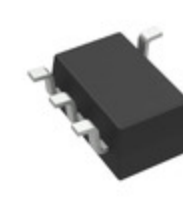




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Recommended Products

 NCS20032DTBR2G onsemi IC OPAMP GP 2 CIRCUIT 8TSSOP	 NCS2002SN1T1 onsemi IC OPAMP GP 1 CIRCUIT 6TSOP	 NCS20061SN2T1G onsemi IC OPAMP GP 1 CIRCUIT 5TSOP	 NCS20061SN3T1G onsemi IC OPAMP GP 1 CIRCUIT 5TSOP	 NCS2003XV53T2G onsemi IC OPAMP GP 1 CIRCUIT SOT553	 NCS20062DR2G onsemi IC OPAMP GP 2 CIRCUIT 8SOIC
 NCS20072DMR2G onsemi IC OPAMP GP 2 CIRCUIT 8MSOP	 NCS2002SN1T1G onsemi IC OPAMP GP 1 CIRCUIT 6TSOP	 NCS2003ASN2T1G onsemi IC OPAMP GP 1 CIRCUIT 5TSOP	 NCS20071SN2T1G onsemi IC OPAMP GP 1 CIRCUIT 5TSOP	 NCS20064DTBR2G onsemi IC OPAMP GP 4 CIRCUIT 14TSSOP	 NCS2003SN2T1G onsemi IC OPAMP GP 1 CIRCUIT 5TSOP
 NCS2002SN2T1G onsemi IC OPAMP GP 1 CIRCUIT 6TSOP	 NCS20034DR2G onsemi IC OPAMP GP 4 CIRCUIT 14SOIC	 NCS20032DR2G onsemi IC OPAMP GP 2 CIRCUIT 8SOIC	 NCS20062DMR2G onsemi IC OPAMP GP 2 CIRCUIT 8MSOP	 NCS20064DR2G onsemi IC OPAMP GP 4 CIRCUIT 14SOIC	 NCS20072DR2G onsemi IC OPAMP GP 2 CIRCUIT 8SOIC

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



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