



Image may be representation.

See specifications for product details.

ON Semiconductor®

MC33078PG

ECAD Model

Data sheet

Manufacturer Part Number MC33078PG

Manufacturer **onsemi**

Allelco Part Number 32D-MC33078PG

PCB Symbol, Footprint & 3D Mode

Parts Description IC OPAMP GP 2 CIRCUIT 8DIP

Package 8-DIP (0.300", 7.62mm)

MC33078,79, NCV33078,79.pdf

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Specifications

MC33078PG Tech Specifications

 $\ensuremath{\mathsf{MC33078PG}}$ - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-40°C ~ 85°C
Voltage - Supply Span (Min)	10 V	Number of Circuits	2
Voltage - Supply Span (Max)	36 V	Mounting Type	Through Hole
Voltage - Input Offset	150 μV	Gain Bandwidth Product	16 MHz
Supplier Device Package	8-PDIP	Current - Supply	4.1mA
Slew Rate	7V/μs	Current - Output / Channel	37 mA
Series	-	Current - Input Bias	300 nA
Package / Case	8-DIP (0.300", 7.62mm)	Base Product Number	MC33078
Package	Tube	Amplifier Type	General Purpose
Output Type	-		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MC33078PG

Product Attritute MCEDITARY MCEDITARY MCEDITARY MCEDITARY MCEDITARY Manufacturer MCEDITARY					
Manufacturer Oncerti Texas Instruments STM-conductivonics STM-conductivonics Supplier Device Package 6-PCIP 6-PCIP 6-SCIC 6-SCIC Voltage - Input Offset 130 pV 150 pV 150 pV 150 pV Ampliffier Type General Purpose Centeral Purpose Centeral Purpose Centeral Purpose Current - Input Bias 200 nA 250 nA 250 nA 250 nA Current - Supply 4.1mA 2.05 nA 250 nA 250 nA Current - Output / Channel 2.7 mA 27 mA 27 mA Current - Output / Channel 2.7 mA 27 mA 27 mA Reserve Circuits 2 2 2 Base Product Number MC33278 MC33278 MC33278 MC33278 Series - - Accomplex, AEC-Q100 Actornolities, AEC-Q100 Actornolities, AEC-Q100 Series - - Accomplex, AEC-Q100 Actornolities, AEC-Q100 Actornolities, AEC-Q100 Voltage - Supply Span (Max) 25 V 35 V 30 V <td< td=""><td>Product Attribute</td><td></td><td>WIND AND AND AND AND AND AND AND AND AND A</td><td></td><td></td></td<>	Product Attribute		WIND AND AND AND AND AND AND AND AND AND A		
Supplier Device Package B-PDP 9-POLP 8-SOLE 8-SOLE 8-SOLE Voltage - Impot Offset 150 MV 150	Part Number	MC33078PG	MC33078P	MC33078YDT	MC33078DT
Voltage - Imput Offset 150 µV 150 µV 150 µV 150 µV 150 µV 150 µV Ampliffer Type Ceneral Purpose Cenera	Manufacturer	onsemi	Texas Instruments	STMicroelectronics	STMicroelectronics
Amplifier Type General Purpose General Purpose Cameral Purpose General Purpose General Purpose Output Type - - - - - - Current - Imput Bias 300 nA 300 nA 250 nA 250 nA 250 nA Current - Supply 4.1mA 2.55 mA (22 Chemcks) 4mA 4mA 4mA Current - Output / Channel 37 mA 37 mA 37 mA 37 mA 37 mA Number of Circuits 2 2 2 2 2 Base Product Number MC33078 MC33078 MC33078 MC33078 MC33078 MC33078 MC33078 MC33078 Mc30078 Automotive, AEC Q100 Series 5 Mitz 5 Mitz<	Supplier Device Package	8-PDIP	8-PDIP	8-SOIC	8-SOIC
Output Type - <th< td=""><td>Voltage - Input Offset</td><td>150 μV</td><td>150 μV</td><td>150 μV</td><td>150 μV</td></th<>	Voltage - Input Offset	150 μV	150 μV	150 μV	150 μV
Current - Input Bias 300 nA 300 nA 250 nA 250 nA Current - Supply 4.InA 2.05mA (v2 Channels) 4mA 4mA Current - Output / Channel 37 mA 37 mA 37 mA 37 mA 37 mA Number of Circuits 2 2 2 2 2 Base Product Number MC33078 MC33078 MC33078 MC33078 MC33078 MC33078 Series - - Automotive, AEC-Q100 Automotive, AEC-Q100 Automotive, AEC-Q100 Gain Bandwidth Product 16 MHz 16 MHz 15 MHz 15 MHz 15 MHz Package / Case 8-DIP (0.300°, 7.62mm) 8-DIP (0.300°, 7.62mm) 8-SDIC (0.154°, 3.90mm Wildth) 8-SDIC (0.154°, 3.90mm Wildth) Voltage - Supply Span (Max) 30 V 30 V 30 V 30 V Slew Rate 7V/µs 7V/µs 7V/µs 7V/µs 7V/µs 7V/µs Operating Temperature -40°C ~ 85°C 40°C ~ 85°C (TA) 40°C ~ 105°C 40°C ~ 105°C Package Tube Tube (Though H	Amplifier Type	General Purpose	General Purpose	General Purpose	General Purpose
Current - Supply 4.1mA 2.05mA (x2 Channels) 4mA 4mA Current - Output / Channel 37 mA 37 mA 37 mA 37 mA 37 mA 37 mA Number of Circuits 2 2 2 2 2 2 Base Product Number MC33078 MC3078 MC3078 MC3078 MC3078 MC3078 MC3078 MC3078 MC3078 MC3078	Output Type	-	-	-	-
Current - Output / Channel 37 mA 38 math 37 mA 38 math 37 mA 30 math 37 mA 38 math	Current - Input Bias	300 nA	300 nA	250 nA	250 nA
Number of Circuits 2 2 2 2 2 2 2 2 2	Current - Supply	4.1mA	2.05mA (x2 Channels)	4mA	4mA
Base Product Number MC33078 MC30078 MC30078 MC30078 Automotive, AEC-Q100 Automot	Current - Output / Channel	37 mA	37 mA	37 mA	37 mA
Series - - Automotive, AEC-Q100 Automotive, AEC-Q100 Gain Bandwidth Product 16 MHz 16 MHz 15 MHz 15 MHz 15 MHz Package / Case 8-DIP (0.300", 7.62mm) 8-DIP (0.300", 7.62mm) 8-SOIC (0.154", 3.90mm Width) 8-SOIC (0.154", 3.90mm Width) Voltage - Supply Span (Max) 36 V 30 V 30 V 30 V Slew Rate 7V/µs 7V/µs 7V/µs 7V/µs 7V/µs Operating Temperature -40°C ~ 85°C -40°C ~ 85°C (TA) -40°C ~ 105°C -40°C ~ 105°C Package Tube Tube Tape & Reel (TR) Tape & Reel (TR) Mounting Type Through Hole Through Hole Surface Mount Surface Mount	Number of Circuits	2	2	2	2
Gain Bandwidth Product 16 MHz 16 MHz 15 MHz 15 MHz 15 MHz Package / Case 8-DIP (0.300", 7.62mm) 8-DIP (0.300", 7.62mm) 8-SOIC (0.154", 3.90mm Width) 8-SOIC (0.154", 3.90mm Width) Voltage - Supply Span (Max) 36 V 30 V 30 V Slew Rate 7V/µs 7V/µs 7V/µs Operating Temperature -40°C ~ 85°C -40°C ~ 85°C (TA) -40°C ~ 105°C -40°C ~ 105°C Package Tube Tube Tape & Reel (TR) Tape & Reel (TR) Mounting Type Through Hole Through Hole Surface Mount Surface Mount	Base Product Number	MC33078	MC33078	MC33078	MC33078
Package / Case 8-DIP (0.300", 7.62mm) 8-DIP (0.300", 7.62mm) 8-SOIC (0.154", 3.90mm Width) 8-SOIC (0.154", 3.90mm Width) Voltage - Supply Span (Max) 36 V 30 V 30 V 30 V Slew Rate 7V/μs 7V/μs 7V/μs 7V/μs Operating Temperature -40°C ~ 85°C -40°C ~ 85°C (TA) -40°C ~ 105°C -40°C ~ 105°C Package Tube Tube Tape & Reel (TR) Tape & Reel (TR) Mounting Type Through Hole Through Hole Surface Mount Surface Mount	Series	-	-	Automotive, AEC-Q100	Automotive, AEC-Q100
Voltage - Supply Span (Max) 36 V 30 V 30 V Slew Rate 7V/μs 7V/μs 7V/μs 7V/μs Operating Temperature 40°C ~ 85°C 40°C ~ 85°C (TA) 40°C ~ 105°C -40°C ~ 105°C Package Tube Tube Tape & Reel (TR) Tape & Reel (TR) Mounting Type Through Hole Through Hole Surface Mount Surface Mount	Gain Bandwidth Product	16 MHz	16 MHz	15 MHz	15 MHz
Slew Rate 7V/μs 7V/μs 7V/μs 7V/μs Operating Temperature -40°C ~ 85°C -40°C ~ 85°C (TA) -40°C ~ 105°C -40°C ~ 105°C Package Tube Tube Tape & Reel (TR) Tape & Reel (TR) Mounting Type Through Hole Through Hole Surface Mount Surface Mount	Package / Case	8-DIP (0.300", 7.62mm)	8-DIP (0.300", 7.62mm)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Operating Temperature -40°C ~ 85°C -40°C ~ 85°C (TA) -40°C ~ 105°C -40°C ~ 105°C Package Tube Tube Tape & Reel (TR) Tape & Reel (TR) Mounting Type Through Hole Surface Mount Surface Mount	Voltage - Supply Span (Max)	36 V	36 V	30 V	30 V
Package Tube Tube Tape & Reel (TR) Tape & Reel (TR) Mounting Type Through Hole Surface Mount Surface Mount	Slew Rate	7V/μs	7V/μs	7V/μs	7V/μs
Mounting Type Through Hole Through Hole Surface Mount Surface Mount	Operating Temperature	-40°C ∼ 85°C	-40°C ~ 85°C (TA)	-40°C ~ 105°C	-40°C ~ 105°C
	Package	Tube	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Supply Span (Min) 10 V 5 V	Mounting Type	Through Hole	Through Hole	Surface Mount	Surface Mount
	Voltage - Supply Span (Min)	10 V	10 V	5 V	5 V

MC33078PG Datasheet PDF

Download MC33078PG pdf datasheets and onsemi documentation for MC33078PG - onsemi.

Datasheets



MC33078,79, NCV33078,79.pdf

Environmental Information



onsemi RoHS.pdf

PCN Obsolescence/ EOL



Mult Devices EOL 26/Jul/2018.pdf



Assembly Site Addition 19/Mar/2015.pdf

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MC33079DT

STMicroelectronics IC AUDIO 4 CIRCUIT 14SO



MC33079DG

onsemi OPERATIONAL AMPLIFIER, LOW NOISE



MC33078DRE4

Texas Instruments 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		
America	Brazil	7		
	Germany	5		
Europe	United Kingdom	4		
	Italy	5		
Oceania	Australia	6		
Oceania	New Zealand	7		
Asia	India	6		
Asia	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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Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong **Phone:** +00852 9146 4856 Fax: +00852 3010 8510

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