

Image may be representation.
See specifications for product details.



MCP6H81-E/SN

Manufacturer Part Number	MCP6H81-E/SN
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP6H81-E/SN
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC OPAMP GP 1 CIRCUIT 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	MCP6H81-E/SN.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP6H81-E/SN - Microchip Technology. New Original in Stock. Download Linear Technology MCP6H81-E/SN datasheet/specifications on AllelcoElec.com.
Request a quote for MCP6H81-E/SN, please send us email: info@allelco.com

Specifications

MCP6H81-E/SN Tech Specifications

MCP6H81-E/SN - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 125°C
Voltage - Supply Span (Min)	3.5 V	Number of Circuits	1
Voltage - Supply Span (Max)	12 V	Mounting Type	Surface Mount
Voltage - Input Offset	1 mV	Gain Bandwidth Product	5.5 MHz
Supplier Device Package	8-SOIC	Current - Supply	700µA
Slew Rate	5V/µs	Current - Output / Channel	55 mA
Series	-	Current - Input Bias	10 pA
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	MCP6H81
Package	Tube	Amplifier Type	General Purpose
Output Type	Rail-to-Rail		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP6H81-E/SN

Product Attribute				
Part Number	MCP6H81-E/SN	MCP6H04T-E/SL	MCP6H02-E/SN	MCP6L01RT-E/OT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Voltage - Supply Span (Min)	3.5 V	3.5 V	3.5 V	1.8 V
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C
Voltage - Supply Span (Max)	12 V	16 V	16 V	6 V
Package / Case	8-SOIC (0.154", 3.90mm Width)	14-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	SC-74A, SOT-753
Series	-	-	-	-
Gain Bandwidth Product	5.5 MHz	1.2 MHz	1.2 MHz	1 MHz
Amplifier Type	General Purpose	General Purpose	General Purpose	General Purpose
Voltage - Input Offset	1 mV	700 µV	700 µV	1 mV
Current - Output / Channel	55 mA	50 mA	50 mA	-
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail
Base Product Number	MCP6H81	MCP6H04	MCP6H02	MCP6L01
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Circuits	1	4	2	1
Current - Input Bias	10 pA	10 pA	10 pA	2 pA
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Supplier Device Package	8-SOIC	14-SOIC	8-SOIC	SOT-23-5
Current - Supply	700µA	135µA (x4 Channels)	135µA (x2 Channels)	85µA
Slew Rate	5V/µs	0.8V/µs	0.8V/µs	0.6V/µs

MCP6H81-E/SN Datasheet PDF

Download MCP6H81-E/SN pdf datasheets and Microchip Technology documentation for MCP6H81-E/SN - Microchip Technology.

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

Environmental Information

Microchip CA Prop65.pdf

Microchip REACH.pdf
















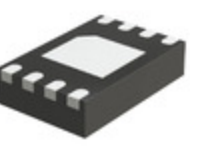


Microchip RoHS.pdf

PCN Obsolescence/ EOL

MCP6H8YY 06/SEP/2022.pdf

Customers Also Interested in

Recommended Products

					
MCP6L02-E/MS Micrel / Microchip Technology	MCP6H04T-E/SL Microchip Technology IC OPAMP GP 4 CIRCUIT 14SOIC	MCP6H02-E/SN Microchip Technology IC OPAMP GP 2 CIRCUIT 8SOIC	MCP6L01RT-E/OT Microchip Technology IC OPAMP GP 1 CIRCUIT SOT23-5	MCP6L01T-E/OT Microchip Technology IC OPAMP GP 1 CIRCUIT SOT23-5	MCP6L02T-E/SN Microchip Technology IC OPAMP GP 2 CIRCUIT 8SOIC
					
MCP6H04-E/ST Microchip Technology IC OPAMP GP 4 CIRCUIT 14TSSOP	MCP6L01T-E/LT Microchip Technology IC OPAMP GP 1 CIRCUIT SC70-5	MCP6L02T-E/MS Microchip Technology IC OPAMP GP 2 CIRCUIT 8MSOP	MCP6H74-E/ST Microchip Technology IC OPAMP GP 4 CIRCUIT 14TSSOP	MCP6H04T-E/ST Microchip Technology IC OPAMP GP 4 CIRCUIT 14TSSOP	MCP6L01UT-E/OT Microchip Technology IC OPAMP GP 1 CIRCUIT SOT23-5
					
MCP6H84-E/SL Microchip Technology IC OPAMP GP 4 CIRCUIT 14SOIC	MCP6H04-E/SL Microchip Technology IC OPAMP GP 4 CIRCUIT 14SOIC	MCP6H72-E/SN Microchip Technology IC OPAMP GP 2 CIRCUIT 8SOIC	MCP6H02T-E/MNY Microchip Technology IC OPAMP GP 2 CIRCUIT 8TDFN	MCP6H02T-E/SN Microchip Technology IC OPAMP GP 2 CIRCUIT 8SOIC	MCP6H72T-E/MNY Microchip Technology IC OPAMP GP 2 CIRCUIT 8TDFN

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

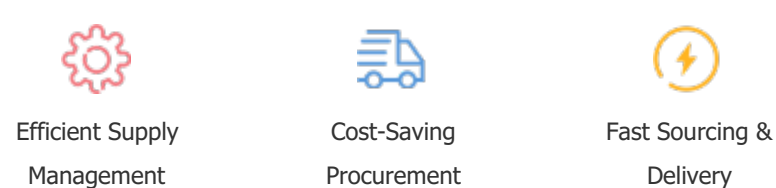
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

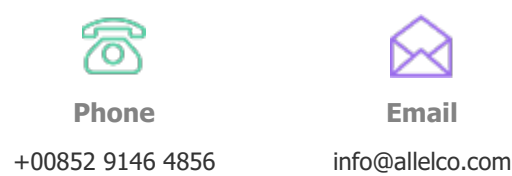
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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