

Image may be representation.
See specifications for product details.



MCP6142T-E/MS

Manufacturer Part Number	MCP6142T-E/MS
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP6142T-E/MS
ECAD Model	Request Free CAD Models
Parts Description	IC OPAMP GP 2 CIRCUIT 8MSOP
Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Data sheet	Analog and Interface Product Guide.pdf MCP6141-44.pdf
RoHs Status	ROHS3 Compliant

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MCP6142T-E/MS - Microchip Technology. New Original in Stock. Download Linear Technology MCP6142T-E/MS datasheet/specifications on AllelcoElec.com.
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Specifications

MCP6142T-E/MS Tech Specifications

MCP6142T-E/MS - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 125°C (TA)
Voltage - Supply Span (Min)	1.4 V	Number of Circuits	2
Voltage - Supply Span (Max)	6 V	Mounting Type	Surface Mount
Voltage - Input Offset	3 mV	Gain Bandwidth Product	100 kHz
Supplier Device Package	8-MSOP	Current - Supply	600nA (x2 Channels)
Slew Rate	0.024V/μs	Current - Output / Channel	20 mA
Series	-	Current - Input Bias	1 pA
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Base Product Number	MCP6142
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 Microchip Technology MCP6142T-E/MS

Product Attribute				
Part Number	MCP6142T-E/MS	MCP6141-I/MS	MCP6142-I/MS	MCP6142T-I/SN
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of Circuits	2	1	2	2
Series	-	-	-	-
Slew Rate	0.024V/μs	0.003V/μs	0.024V/μs	0.024V/μs
Current - Supply	600nA (x2 Channels)	600nA	600nA (x2 Channels)	600nA (x2 Channels)
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Base Product Number	MCP6142	MCP6141	MCP6142	MCP6142
Current - Output / Channel	20 mA	20 mA	20 mA	20 mA
Supplier Device Package	8-MSOP	8-MSOP	8-MSOP	8-SOIC
Voltage - Input Offset	3 mV	3 mV	3 mV	3 mV
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-SOIC (0.154", 3.90mm Width)
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail
Gain Bandwidth Product	100 kHz	100 kHz	100 kHz	100 kHz
Voltage - Supply Span (Max)	6 V	6 V	6 V	6 V
Amplifier Type	General Purpose	General Purpose	General Purpose	General Purpose
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Current - Input Bias	1 pA	1 pA	1 pA	1 pA
Voltage - Supply Span (Min)	1.4 V	1.4 V	1.4 V	1.4 V

MCP6142T-E/MS Datasheet PDF

Download MCP6142T-E/MS pdf datasheets and Microchip Technology documentation for MCP6142T-E/MS - Microchip Technology.

Datasheets

[Analog and Interface Product Guide.pdf](#)

[MCP6141-44.pdf](#)

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](#)

Other Related Documents

 Development Tools Catalog.pdf

PCN Design/Specification

 MCP616/7/8/9 07/Nov/2019.pdf

 MCP6141/2/3/4 21/Nov/2019.pdf

PCN Assembly/Origin

 Mult Devices 28/Nov/2017.pdf

Customers Also Interested in

Recommended Products



MCP6141-I/MS

Microchip Technology
IC OPAMP GP 1 CIRCUIT 8MSOP



MCP6142-I/MS

Microchip Technology
IC OPAMP GP 2 CIRCUIT 8MSOP



MCP6142T-I/SN

Microchip Technology
IC OPAMP GP 2 CIRCUIT 8SOIC



MCP6141-I/SN

Microchip Technology
IC OPAMP GP 1 CIRCUIT 8SOIC



MCP6142T-I/MS

Microchip Technology
IC OPAMP GP 2 CIRCUIT 8MSOP



MCP6144-I/SL

Microchip Technology
IC OPAMP GP 4 CIRCUIT 14SOIC



MCP6141T-E/OT

Microchip Technology
IC OPAMP GP 1 CIRCUIT SOT23-5



MCP6142-I/SN

Microchip Technology
IC OPAMP GP 2 CIRCUIT 8SOIC



MCP6141T-I/MS

Microchip Technology
IC OPAMP GP 1 CIRCUIT 8MSOP



MCP617-I/MS

Microchip Technology
IC CMOS 2 CIRCUIT 8MSOP



MCP6142-E/MS

Microchip Technology
IC OPAMP GP 2 CIRCUIT 8MSOP



MCP6141T-I/SN

Microchip Technology
IC OPAMP GP 1 CIRCUIT 8SOIC



MCP6144-I/ST

Microchip Technology
IC OPAMP GP 4 CIRCUIT 14TSSOP



MCP616-I/SN

Microchip Technology
IC OPAMP GP 1 CIRCUIT 8SOIC



MCP6141T-E/SN

Microchip Technology
IC OPAMP GP 1 CIRCUIT 8SOIC



MCP6142-E/SN

Microchip Technology
IC OPAMP GP 2 CIRCUIT 8SOIC



MCP6142T-E/SN

Microchip Technology
IC OPAMP GP 2 CIRCUIT 8SOIC



MCP616T-I/SN

Microchip Technology
IC OPAMP GP 1 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.



Your Faithful Supply Chain Partner -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



Phone

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Email

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Certifications & Memberships



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