

Image may be representation.
See specifications for product details.



MP23DB01HPTR

Manufacturer Part Number	MP23DB01HPTR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-MP23DB01HPTR
ECAD Model	Request Free CAD Models
Parts Description	MIC MEMS DIGITAL PDM OMNI -24DB
Package	
Data sheet	MP23DB01HP.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MP23DB01HPTR - STMicroelectronics.New Original in Stock. Download Linear Technology MP23DB01HPTR datasheet/specifications on AllelcoElec.com.
Request a quote for MP23DB01HPTR, please send us email: info@allelco.com

Specifications

MP23DB01HPTR Tech Specifications
MP23DB01HPTR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Ratings	-
Voltage Range	1.6 V ~ 3.6 V	Port Location	Bottom
Voltage - Rated	1.8 V	Package	Tape & Reel (TR)
Type	MEMS (Silicon)	Output Type	Digital, PDM
Termination	Solder Pads	Height (Max)	0.043" (1.08mm)
Size / Dimension	0.138" L x 0.104" W (3.50mm x 2.65mm)	Frequency Range	20 Hz ~ 10 kHz
Shape	Rectangular	Direction	Omnidirectional
Series	-	Current - Supply	800 µA
Sensitivity	-24dB ±1dB @ 94dB SPL	Base Product Number	MP23DB01
S/N Ratio	64dB		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics MP23DB01HPTR

Product Attribute				
Part Number	MP23DB01HPTR	MP23AB02BTR	MP23ABS1TR	MP23AB01DMTR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	-	-	-	-
Sensitivity	-24dB ±1dB @ 94dB SPL	-38dB ±3dB @ 94dB SPL	-38dB ±1dB @ 94dB SPL	-38dB ±3dB @ 94dB SPL
Base Product Number	MP23DB01	MP23	MP23ABS1	MP23AB01
Ratings	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Supply	800 µA	220 µA	150 µA	250 µA
Voltage - Rated	1.8 V	1.8 V	2.75 V	-
Type	MEMS (Silicon)	MEMS (Silicon)	MEMS (Silicon)	MEMS (Silicon)
Output Type	Digital, PDM	Analog	Analog	Analog
Port Location	Bottom	Bottom	Bottom	Bottom
Termination	Solder Pads	Solder Pads	Solder Pads	Surface Mount
Voltage Range	1.6 V ~ 3.6 V	1.6 V ~ 3.6 V	-	2.1 V ~ 3.6 V
Direction	Omnidirectional	Omnidirectional	Omnidirectional	Omnidirectional
Shape	Rectangular	Rectangular	Rectangular	Rectangular
Height (Max)	0.043" (1.08mm)	0.043" (1.08mm)	0.043" (1.08mm)	0.043" (1.08mm)
Size / Dimension	0.138" L x 0.104" W (3.50mm x 2.65mm)	0.132" L x 0.098" W (3.35mm x 2.50mm)	0.138" L x 0.104" W (3.50mm x 2.65mm)	0.132" L x 0.098" W (3.35mm x 2.50mm)
Frequency Range	20 Hz ~ 10 kHz	20 Hz ~ 20 kHz	35 Hz ~ 1.5 kHz	100 Hz ~ 10 kHz
S/N Ratio	64dB	64dB	64dB	64dB

MP23DB01HPTR Datasheet PDF

Download MP23DB01HPTR pdf datasheets and STMicroelectronics documentation for MP23DB01HPTR - STMicroelectronics.

Datasheets

[MP23DB01HP.pdf](#)

PCN Packaging




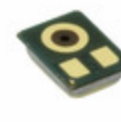

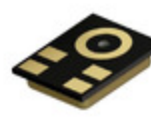




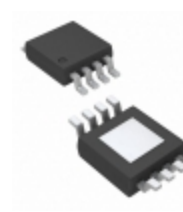







[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Design/Specification

[Die redesign 27/Oct/2021.pdf](#)

Customers Also Interested in

Recommended Products

					
MP240D3 Sensata-Crydom SSR RELAY SPST-NO 3A 24-280V	MP23ABW01 STMicroelectronics MIC MEMS ANALOG OMNI -38DB	MP23SB ITM	MP23AB02BTR STMicroelectronics MIC MEMS ANALOG OMNI -38DB	MP23DB01MMTR STMicroelectronics MIC MEMS ANALOG OMNI -38DB	MP23ABS1TR STMicroelectronics MIC MEMS ANALOG OMNI -38DB
					
MP23AB01DMTR STMicroelectronics MIC MEMS ANALOG OMNI -38DB	MP23AB01DHTR STMicroelectronics MIC MEMS ANALOG OMNI -38DB	MP2396ES-LF-Z Monolithic Power Systems	MP2403DN Monolithic Power Systems	MP2403DN-LF-Z Monolithic Power Systems Inc. IC REG BUCK ADJUSTABLE 3A 8SOIC	MP23ABW0TR STMicroelectronics
					
MP2396ES Monolithic Power Systems	MP23DB02MMTR STMicroelectronics MICROPHONE	MP2400GJ-Z Monolithic Power Systems	MP2396ES-C295-LF-Z Monolithic Power Systems	MP2395GQ-Z Monolithic Power Systems	MP23DB01MM STMicroelectronics

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

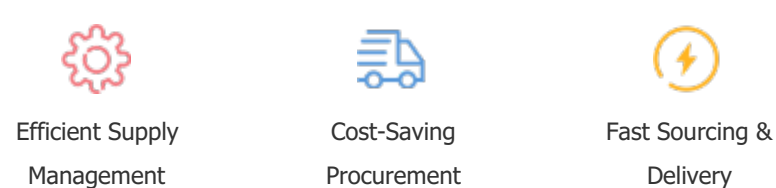
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

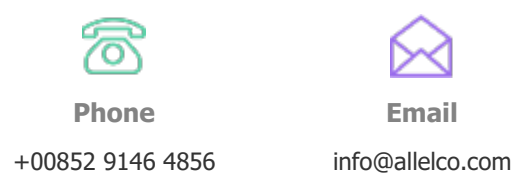
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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