

Image may be representation.
See specifications for product details.



MIC4120YML-TR

Manufacturer Part Number	MIC4120YML-TR
Manufacturer	Microchip Technology
Allelco Part Number	32D-MIC4120YML-TR
ECAD Model	Request Free CAD Models
Parts Description	IC GATE DRVR LOW-SIDE 8MLF
Package	8-VDFN Exposed Pad, 8-MLF®
Data sheet	MIC4120, MIC4129.pdf
RoHs Status	ROHS3 Compliant

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MIC4120YML-TR - Microchip Technology. New Original in Stock. Download Linear Technology MIC4120YML-TR datasheet/specifications on AllelcoElec.com. Request a quote for MIC4120YML-TR, please send us email: info@allelco.com

Specifications

MIC4120YML-TR Tech Specifications
MIC4120YML-TR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Mounting Type	Surface Mount
Voltage - Supply	4.5V ~ 20V	Logic Voltage - VIL, VIH	0.8V, 2.4V
Supplier Device Package	8-MLF® (2x2)	Input Type	Non-Inverting
Series	-	Gate Type	N-Channel, P-Channel MOSFET
Rise / Fall Time (Typ)	12ns, 13ns	Driven Configuration	Low-Side
Package / Case	8-VDFN Exposed Pad, 8-MLF®	Current - Peak Output (Source, Sink)	6A, 6A
Package	Tape & Reel (TR)	Channel Type	Single
Operating Temperature	-40°C ~ 125°C (TJ)	Base Product Number	MIC4120
Number of Drivers	1		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MIC4120YML-TR

Product Attribute				
Part Number	MIC4120YML-TR	MIC4123YME-TR	MIC4123YME	MIC4124YME
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of Drivers	1	2	2	2
Input Type	Non-Inverting	Inverting	Inverting	Non-Inverting
Base Product Number	MIC4120	MIC4123	MIC4123	MIC4124
Package / Case	8-VDFN Exposed Pad, 8-MLF®	8-SOIC (0.154", 3.90mm Width) Exposed Pad	8-SOIC (0.154", 3.90mm Width) Exposed Pad	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Channel Type	Single	Independent	Independent	Independent
Voltage - Supply	4.5V ~ 20V	4.5V ~ 20V	4.5V ~ 20V	4.5V ~ 20V
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Rise / Fall Time (Typ)	12ns, 13ns	11ns, 11ns	11ns, 11ns	11ns, 11ns
Gate Type	N-Channel, P-Channel MOSFET	N-Channel, P-Channel MOSFET	N-Channel, P-Channel MOSFET	N-Channel, P-Channel MOSFET
Driven Configuration	Low-Side	Low-Side	Low-Side	Low-Side
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tube
Logic Voltage - VIL, VIH	0.8V, 2.4V	0.8V, 2.4V	0.8V, 2.4V	0.8V, 2.4V
Supplier Device Package	8-MLF® (2x2)	8-SOIC-EP	8-SOIC-EP	8-SOIC-EP
Series	-	-	-	-
Current - Peak Output (Source, Sink)	6A, 6A	3A, 3A	3A, 3A	3A, 3A
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

MIC4120YML-TR Datasheet PDF

Download MIC4120YML-TR pdf datasheets and Microchip Technology documentation for MIC4120YML-TR - Microchip Technology.

PCN Packaging

Packing Changes 10/Oct/2016.pdf

MBB/Label Chgs 16/Nov/2018.pdf

PCN Part Number

2.73KHz.pdf

PCN Assembly/Origin



















2.73KHz.pdf

HTML Datasheet

MIC4120, MIC4129.pdf

Customers Also Interested in

Recommended Products

 MIC4123YME-TR Microchip Technology IC GATE DRVR LOW-SIDE 8SOIC	 MIC4123YME Microchip Technology IC GATE DRVR LOW-SIDE 8SOIC	 MIC4124YME Microchip Technology IC GATE DRVR LOW-SIDE 8SOIC	 MIC4102YM Microchip Technology IC GATE DRVR HALF-BRIDGE 8SOIC	 MIC4126YML Micrel Inc. DUAL 1.5A-PEAK LOW-SIDE MOSFET D	 MIC4104YM Microchip Technology IC GATE DRVR HALF-BRIDGE 8SOIC
 MIC4103YM Microchip Technology IC GATE DRVR HALF-BRIDGE 8SOIC	 MIC4124YMETR Micrel / Microchip Technology	 MIC4100YMTR Micrel / Microchip Technology	 MIC4101YM Microchip Technology IC GATE DRVR HALF-BRIDGE 8SOIC	 MIC4125YME Microchip Technology IC GATE DRVR LOW-SIDE 8SOIC	 MIC4125YMLTR Micrel / Microchip Technology
 MIC4126 Micrel / Microchip Technology	 MIC4101BM Microchip Technology IC GATE DRVR HALF-BRIDGE 8SOIC	 MIC4126YME Microchip Technology IC GATE DRVR LOW-SIDE 8SOIC	 MIC4101YM-TR Microchip Technology IC GATE DRVR HALF-BRIDGE 8SOIC	 MIC405YML Micrel / Microchip Technology	 MIC4100YM Microchip Technology IC GATE DRVR HALF-BRIDGE 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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