

Image may be representation.
See specifications for product details.



MIC5209-2.5YS-TR

Manufacturer Part Number	MIC5209-2.5YS-TR
Manufacturer	Microchip Technology
Allelco Part Number	32D-MIC5209-2.5YS-TR
ECAD Model	Request Free CAD Models
Parts Description	IC REG LIN 2.5V 500MA SOT223-3
Package	TO-261-4, TO-261AA
Data sheet	MIC5209.pdf
RoHs Status	ROHS3 Compliant

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MIC5209-2.5YS-TR - Microchip Technology.New Original in Stock. Download Linear Technology MIC5209-2.5YS-TR datasheet/specifications on AllelcoElec.com.
Request a quote for MIC5209-2.5YS-TR, please send us email: info@allelco.com

Specifications

MIC5209-2.5YS-TR Tech Specifications
MIC5209-2.5YS-TR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Output Type	Fixed
Voltage Dropout (Max)	0.6V @ 500mA	Output Configuration	Positive
Voltage - Output (Min/Fixed)	2.5V	Operating Temperature	-40°C ~ 125°C
Voltage - Output (Max)	-	Number of Regulators	1
Voltage - Input (Max)	16V	Mounting Type	Surface Mount
Supplier Device Package	SOT-223-3	Current - Supply (Max)	25 mA
Series	-	Current - Quiescent (Iq)	170 µA
Protection Features	Over Current, Over Temperature, Reverse Polarity	Current - Output	500mA
Package / Case	TO-261-4, TO-261AA	Control Features	-
Package	Tape & Reel (TR)	Base Product Number	MIC5209
PSRR	75dB (120Hz)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MIC5209-2.5YS-TR

Product Attribute				
Part Number	MIC5209-2.5YS-TR	MIC5209-3.0YM	MIC5209-3.0YS	MIC5209-2.5BSTR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Protection Features	Over Current, Over Temperature, Reverse Polarity	Over Current, Over Temperature, Reverse Polarity	Over Current, Over Temperature, Reverse Polarity	Over Current, Over Temperature, Reverse Polarity
Voltage - Output (Max)	-	-	-	-
Supplier Device Package	SOT-223-3	8-SOIC	SOT-223-3	SOT-223-3
Output Configuration	Positive	Positive	Positive	Positive
Control Features	-	Enable	-	-
Voltage Dropout (Max)	0.6V @ 500mA	0.6V @ 500mA	0.6V @ 500mA	0.6V @ 500mA
Base Product Number	MIC5209	MIC5209	MIC5209	-
Series	-	-	-	-
Output Type	Fixed	Fixed	Fixed	Fixed
Package	Tape & Reel (TR)	Tube	Tube	Bulk
Current - Quiescent (Iq)	170 µA	170 µA	170 µA	170 µA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Current - Output	500mA	500mA	500mA	500mA
PSRR	75dB (120Hz)	75dB (120Hz)	75dB (120Hz)	75dB (120Hz)
Current - Supply (Max)	25 mA	25 mA	25 mA	25 mA
Voltage - Output (Min/Fixed)	2.5V	3V	3V	2.5V
Voltage - Input (Max)	16V	16V	16V	16V
Package / Case	TO-261-4, TO-261AA	8-SOIC (0.154", 3.90mm Width)	TO-261-4, TO-261AA	TO-261-4, TO-261AA
Number of Regulators	1	1	1	1

MIC5209-2.5YS-TR Datasheet PDF

Download MIC5209-2.5YS-TR pdf datasheets and Microchip Technology documentation for MIC5209-2.5YS-TR - Microchip Technology.

Datasheets

[MIC5209.pdf](#)


PCN Part Number

[Micrel to Microchip PN Changes 7/Oct/2015.pdf](#)

PCN Packaging

 MBB/Label Chgs 16/Nov/2018.pdf

PCN Design/Specification

 MIC5209 01/Feb/2022.pdf








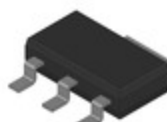










 MIC5209 DataSheet Update 28/Feb/2017.pdf

PCN Assembly/Origin

 Wafer Size Update 25/Feb/2016.pdf

Customers Also Interested in

Recommended Products

					
MIC5209-2.5YSTR Micrel / Microchip Technology	MIC5209-3.0BSTR Micrel / Microchip Technology	MIC5209-3.0YM Microchip Technology IC REG LINEAR 3V 500MA 8SOIC	MIC5209-2.5BS/TR Micrel / Microchip Technology	MIC5209-2.5YS/TR Micrel / Microchip Technology	MIC5209-2.5YM/BM Micrel / Microchip Technology
					
MIC5209-3.0YS Microchip Technology IC REG LINEAR 3V 500MA SOT223-3	MIC5209-2.5BSTR Microchip Technology 500 MILLAMPLOW-NOISE LDO REG	MIC5209-3.0YS-TR Microchip Technology IC REG LINEAR 3V 500MA SOT223-3	MIC5209-3.0BM Microchip Technology IC REG LINEAR 3V 500MA 8SOIC	MIC5209-2.5BS Microchip Technology IC REG LIN 2.5V 500MA SOT223-3	MIC5209-2.5YU Microchip Technology IC REG LINEAR 2.5V 500MA TO263-5
					
MIC5209-2.5BM/TR Micrel / Microchip Technology	MIC5209-2.5YM Microchip Technology IC REG LINEAR 2.5V 500MA 8SOIC	MIC5209-2.5YM/TR Micrel / Microchip Technology	MIC5209-3.0BS Microchip Technology IC REG LINEAR 3V 500MA SOT223-3	MIC5209-2.5BU Microchip Technology IC REG LINEAR 2.5V 500MA TO263-5	MIC5209-2.5YS Microchip Technology IC REG LIN 2.5V 500MA SOT223-3

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

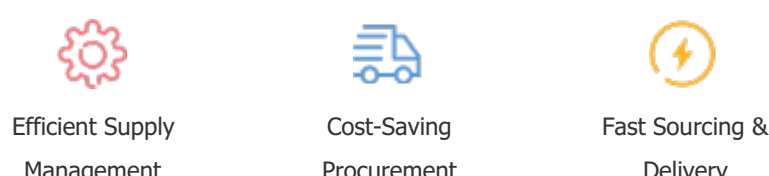
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

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.

 Phone
+00852 9146 4856
 Email
info@allelco.com

Certifications & Memberships



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