

Image may be representation.
See specifications for product details.



MCP1824T-1802E/OT

Manufacturer Part Number	MCP1824T-1802E/OT
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP1824T-1802E/OT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG LINEAR 1.8V 300MA SOT23-5
Package	SC-74A, SOT-753
Data sheet	MCP1824/S Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP1824T-1802E/OT - Microchip Technology. New Original in Stock. Download Linear Technology MCP1824T-1802E/OT datasheet/specifications on AllelcoElec.com. Request a quote for MCP1824T-1802E/OT, please send us email: info@allelco.com

Specifications

MCP1824T-1802E/OT Tech Specifications
MCP1824T-1802E/OT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	PSRR	55dB (100Hz)
Voltage Dropout (Max)	0.32V @ 300mA	Output Type	Fixed
Voltage - Output (Min/Fixed)	1.8V	Output Configuration	Positive
Voltage - Output (Max)	-	Operating Temperature	-40°C ~ 125°C
Voltage - Input (Max)	6V	Number of Regulators	1
Supplier Device Package	SOT-23-5	Mounting Type	Surface Mount
Series	-	Current - Quiescent (Iq)	220 µA
Protection Features	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Current - Output	300mA
Package / Case	SC-74A, SOT-753	Control Features	Enable, Power Good
Package	Tape & Reel (TR)	Base Product Number	MCP1824

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP1824T-1802E/OT

Product Attribute				
Part Number	MCP1824T-1802E/OT	MCP1824T-5002E/DC	MCP1824T-1202E/DC	MCP1824T-3002E/DC
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Supplier Device Package	SOT-23-5	SOT-223-5	SOT-223-5	SOT-223-5
Voltage - Output (Min/Fixed)	1.8V	5V	1.2V	3V
Output Type	Fixed	Fixed	Fixed	Fixed
Base Product Number	MCP1824	MCP1824	MCP1824	MCP1824
Protection Features	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Current - Quiescent (Iq)	220 µA	220 µA	220 µA	220 µA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Output Configuration	Positive	Positive	Positive	Positive
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Control Features	Enable, Power Good	Enable, Power Good	Enable, Power Good	Enable, Power Good
Voltage - Output (Max)	-	-	-	-
Voltage Dropout (Max)	0.32V @ 300mA	0.32V @ 300mA	0.32V @ 300mA	0.32V @ 300mA
Voltage - Input (Max)	6V	6V	6V	6V
Package / Case	SC-74A, SOT-753	SOT-223-6	SOT-223-6	SOT-223-6
Current - Output	300mA	300mA	300mA	300mA
Series	-	-	-	-
PSRR	55dB (100Hz)	55dB (100Hz)	55dB (100Hz)	55dB (100Hz)
Number of Regulators	1	1	1	1

MCP1824T-1802E/OT Datasheet PDF

Download MCP1824T-1802E/OT pdf datasheets and Microchip Technology documentation for MCP1824T-1802E/OT - Microchip Technology.

Datasheets

MCP1824/S Datasheet.pdf

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf



















PCN Assembly/Origin

PCN Design/Specification

MCP1824/MCP1824S 28/Mar/2023.pdf

Customers Also Interested in

Recommended Products

					
MCP1824T-5002E/DC Microchip Technology IC REG LINEAR 5V 300MA SOT23-5	MCP1824T-1202E/DC Microchip Technology IC REG LIN 1.2V 300MA SOT23-5	MCP1824T-3002E/DC Microchip Technology IC REG LINEAR 3V 300MA SOT23-5	MCP1824ST-3302E Micrel / Microchip Technology	MCP1824T-3002E/OT Microchip Technology IC REG LINEAR 3V 300MA SOT23-5	MCP1824T-ADJE/OT Microchip Technology IC REG LIN POS ADJ 300MA SOT23-5
					
MCP1824T-5002E/OT Microchip Technology IC REG LINEAR 5V 300MA SOT23-5	MCP1824T-1802E/DC Microchip Technology IC REG LIN 1.8V 300MA SOT23-5	MCP1824S-5002E/DB Micrel / Microchip Technology	MCP1824T-3302E/OT Microchip Technology IC REG LINEAR 3.3V 300MA SOT23-5	MCP1824ST-5002E/DB Microchip Technology IC REG LINEAR 5V 300MA SOT23-3	MCP1824T-1202E/OT Microchip Technology IC REG LINEAR 1.2V 300MA SOT23-5
					
MCP1824T-2502E/OT Microchip Technology IC REG LINEAR 2.5V 300MA SOT23-5	MCP1824ST-2502E/DB Microchip Technology IC REG LIN 2.5V 300MA SOT23-3	MCP1824ST-1802E/DB Microchip Technology IC REG LIN 1.8V 300MA SOT23-3	MCP1824ST-3302E/DB Microchip Technology IC REG LIN 3.3V 300MA SOT23-3	MCP1824T-3302E/DC Microchip Technology IC REG LIN 3.3V 300MA SOT23-5	MCP1824T-0802E/OT Microchip Technology IC REG LINEAR 0.8V 300MA SOT23-5

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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com