

MCP1824ST-5002E/DB



Part Number: MCP1824ST-5002E/DB

Manufacturer: Micrel / Microchip Technology

Description: IC REG LINEAR 5V 300MA SOT223-3

Data sheet:  MCP1824/S Datasheet

RoHs Status: Lead free / RoHS Compliant

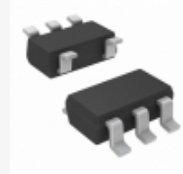
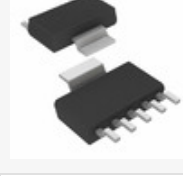
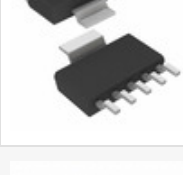
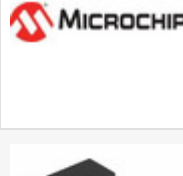
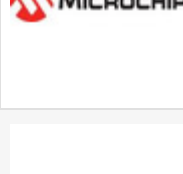
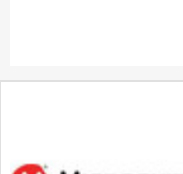
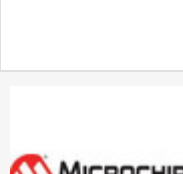
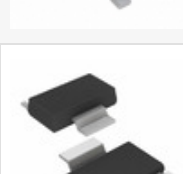
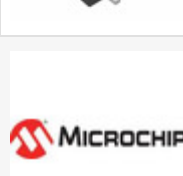
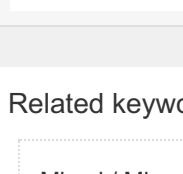
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PRODUCT PARAMETER		
Part Number	MCP1824ST-5002E/DB	Manufacturer Micrel / Microchip Technology
Description	IC REG LINEAR 5V 300MA SOT223-3	Lead Free Status / RoHS StatusLead free / RoHS Compliant
Quantity Available	146179 pcs	Data sheet MCP1824/S Datasheet
Category	Integrated Circuits (ICs)	Voltage Dropout (Max)0.32V @ 300mA
Voltage - Output (Min/Fixed)	5V	Voltage - Output (Max)-
Voltage - Input (Max)	6V	Supplier Device PackageSOT-223-3
Series	-	Protection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)
Packaging	Tape & Reel (TR)	Package / CaseTO-261-4, TO-261AA
PSRR	55dB (100Hz)	Output TypeFixed
Output Configuration	Positive	Other NamesMCP1824ST-5002E/DB-ND MCP1824ST-5002E/DBTR MCP1824ST5002EDB
Operating Temperature	-40°C ~ 125°C	Number of Regulators1
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)1 (Unlimited)
Manufacturer Standard Lead Time	10 Weeks	Lead Free Status / RoHS StatusLead free / RoHS Compliant
Detailed Description	Linear Voltage Regulator IC Positive Fixed 1 Output 5V 300mA SOT-223-3	Current - Quiescent (Iq)220µA
Current - Output	300mA	Control Features-
Base Part Number	MCP1824S	
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	Part#: MCP1810T-35I/OT Description: IC REG LINEAR 3.5V 150MA SOT23-5	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1824T-2502E/OT Description: IC REG LINEAR 2.5V 300MA SOT23-5	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1824T-1802E/DC Description: IC REG LIN 1.8V 300MA SOT223-5	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1824T-3002E/DC Description: IC REG LINEAR 3V 300MA SOT223-5	Manufacturers: Micrel / Microchip Technology RFQ
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	Part#: MCP1824T-1202E/OT Description: IC REG LINEAR 1.2V 300MA SOT23-5	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1824ST-0802E/DB Description: IC REG LIN 0.8V 300MA SOT223-3	Manufacturers: Micrel / Microchip Technology RFQ
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	Part#: MCP1824ST-3302E/DB Description: IC REG LIN 3.3V 300MA SOT223-3	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1824T-3002E/OT Description: IC REG LINEAR 3V 300MA SOT23-5	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1824ST-1802E/DB Description: IC REG LIN 1.8V 300MA SOT223-3	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1824ST-3002E/DB Description: IC REG LINEAR 3V 300MA SOT223-3	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1810T-42I/J8A Description: IC REG LINEAR 4.2V 100MA 8VDFN	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1810T-33I/TT Description: IC REG LINEAR 3.3V 150MA SOT23-3	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1824T-1802E/OT Description: IC REG LINEAR 1.8V 300MA SOT23-5	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1824T-2502E/DC Description: IC REG LIN 2.5V 300MA SOT223-5	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: MCP1810T-35I/TT Description: IC REG LINEAR 3.5V 150MA SOT23-3	Manufacturers: Micrel / Microchip Technology RFQ

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