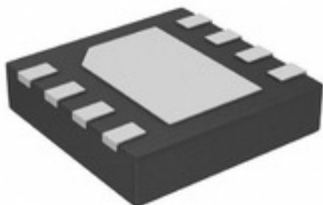


MCP1602-180I/MF





Part Number: MCP1602-180I/MF

Manufacturer: Micrel / Microchip Technology

Description: IC REG BUCK 1.8V 0.5A SYNC 8DFN

Data sheet:  [Development Tools Catalog](#)
 [Portable Power Conversion Design Guide](#)
 [MCP1602 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

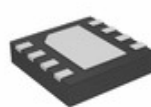
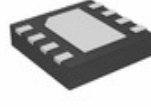
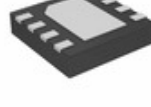
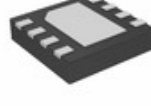
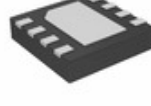
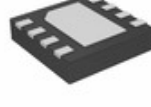
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PRODUCT PARAMETER			
Part Number	MCP1602-180I/MF	Manufacturer	Micrel / Microchip Technology
Description	IC REG BUCK 1.8V 0.5A SYNC 8DFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	63896 pcs	Data sheet	Development Tools Catalog Portable Power Conversion Design Guide MCP1602 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Output (Min/Fixed)	1.8V
Voltage - Output (Max)	-	Voltage - Input (Min)	2.7V
Voltage - Input (Max)	5.5V	Topology	Buck
Synchronous Rectifier	Yes	Supplier Device Package	8-DFN-EP (3x3)
Series	-	Packaging	Tube
Package / Case	8-VDFN Exposed Pad	Output Type	Fixed
Output Configuration	Positive	Operating Temperature	-40°C ~ 125°C (TJ)
Number of Outputs	1	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	1 (Unlimited)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Function	Step-Down	Frequency - Switching	2MHz
Detailed Description	Buck Switching Regulator IC Positive Fixed 1.8V 1 Output 500mA 8-VDFN Exposed Pad	Current - Output	500mA
Base Part Number	MCP1602		
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	Part#: MCP1541-I/TO Description: IC VREF SERIES 4.096V TO92-3	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1602-ADJI/MS Description: IC REG BUCK ADJ 0.5A SYNC 8MSOP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: MCP1601T-I/MS Description: IC REG BUCK ADJ 0.5A SYNC 8MSOP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1602-150I/MS Description: IC REG BUCK 1.5V 0.5A SYNC 8MSOP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1602-180I/MS Description: IC REG BUCK 1.8V 0.5A SYNC 8MSOP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1602T-120I/MS Description: IC REG BUCK 1.2V 0.5A SYNC 8MSOP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1602-250I/MF Description: IC REG BUCK 2.5V 0.5A SYNC 8DFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1602-ADJI/MF Description: IC REG BUCK ADJ 0.5A SYNC 8DFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: MCP1541T-I/TT Description: IC VREF SERIES 4.096V SOT23-3	Manufacturers: Micrel / Microchip Technology	RFQ
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