

MCP1602T-250I/MS



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Part Number: [MCP1602T-250I/MS](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC REG BUCK 2.5V 0.5A SYNC 8MSOP

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

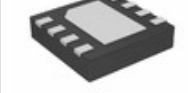
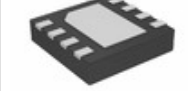
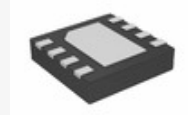
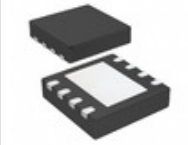
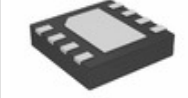
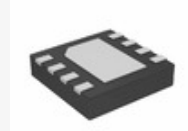
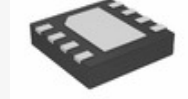
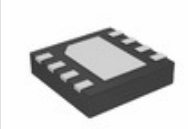
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MCP1602T-250I/MS	Manufacturer	Micrel / Microchip Technology
Description	IC REG BUCK 2.5V 0.5A SYNC 8MSOP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	79348 pcs	Data sheet	Development Tools Catalog Portable Power Conversion Design Guide MCP1602 Datasheet
Category	Integrated Circuits (ICs)	Voltage - Output (Min/Fixed)	2.5V
Voltage - Output (Max)	-	Voltage - Input (Min)	2.7V
Voltage - Input (Max)	5.5V	Topology	Buck
Synchronous Rectifier	Yes	Supplier Device Package	8-MSOP
Series	-	Packaging	Tape & Reel (TR)
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Output Type	Fixed
Output Configuration	Positive	Other Names	MCP1602T-250I/MSTR
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 2.5V 1 Output 500mA 8-TSSOP, 8-MSOP (0.118", 3.00nm Width)
Current - Output	500mA	Base Part Number	MCP1602
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	Part#: MCP1602T-330I/MF Description: IC REG BUCK 3.3V 0.5A SYNC 8DFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCP1602T-120I/MS Description: IC REG BUCK 1.2V 0.5A SYNC 8MSOP	Manufacturers: Micrel / Microchip Technology	RFQ
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