

MP20045DQ-LF-Z



Part Number: [MP20045DQ-LF-Z](#)

Manufacturer: [MPS \(Monolithic Power Systems\)](#)

Description: IC REG LINEAR POS ADJ 1A 8QFN

Data sheet:

RoHs Status: Lead free / RoHS Compliant

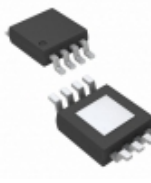
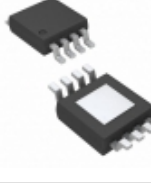
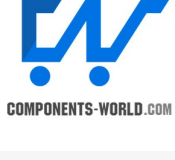
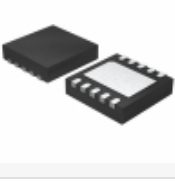
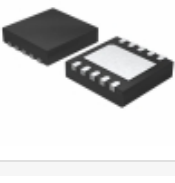
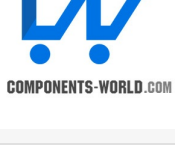
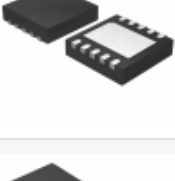
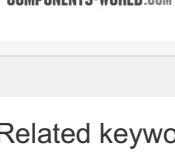
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PRODUCT PARAMETER			
Part Number	MP20045DQ-LF-Z	Manufacturer	MPS (Monolithic Power Systems)
Description	IC REG LINEAR POS ADJ 1A 8QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	107713 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage Dropout (Max)	0.28V @ 1A
Voltage - Output (Min/Fixed)	1.5V	Voltage - Output (Max)	5V
Voltage - Input (Max)	5.5V	Supplier Device Package	8-QFN (3x3)
Series	-	Protection Features	Over Current, Over Temperature
Packaging	Tape & Reel (TR)	Package / Case	8-VDFN Exposed Pad
PSRR	56dB (1kHz)	Output Type	Adjustable
Output Configuration	Positive	Other Names	1589-1546-2 MP20045DQ-LF-Z-ND
Operating Temperature	-40°C ~ 125°C	Number of Regulators	1
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Manufacturer Standard Lead Time	12 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Detailed Description	Linear Voltage Regulator IC Positive Adjustable 1 Output 1.5 V ~ 5 V 1A 8-QFN (3x3)	Current - Quiescent (Iq)	110µA
Current - Output	1A	Control Features	Enable, Power Good
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RELATED PRODUCTS			
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	Part#: MP20045DQ-15-LF-P Description: IC REG LINEAR 1.5V 1A 8QFN	Manufacturers: MPS (Monolithic Power Systems)	RFQ
	Part#: MP20046DN-S-LF-Z Description: IC REG LINEAR 3.3V 2A 8SOIC	Manufacturers: MPS (Monolithic Power Systems)	RFQ
	Part#: MP20045DQ-LF-P Description: IC REG LINEAR POS ADJ 1A 8QFN	Manufacturers: MPS (Monolithic Power Systems)	RFQ
	Part#: MP20045DQ-33-LF-Z Description: IC REG LINEAR 3.3V 1A 8QFN	Manufacturers: MPS (Monolithic Power Systems)	RFQ
	Part#: MP20046DQ-G-LF-Z Description: IC REG LINEAR 1.8V 2A 10QFN	Manufacturers: MPS (Monolithic Power Systems)	RFQ
	Part#: MP20046DQ-S-LF-Z Description: IC REG LINEAR 3.3V 2A 10QFN	Manufacturers: MPS (Monolithic Power Systems)	RFQ
	Part#: MP20045DQ-18-LF-P Description: IC REG LINEAR 1.8V 1A 8QFN	Manufacturers: MPS (Monolithic Power Systems)	RFQ
	Part#: MP20045DQ-15-LF-Z Description: IC REG LINEAR 1.5V 1A 8QFN	Manufacturers: MPS (Monolithic Power Systems)	RFQ
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