



MIC2184YM-TR Information

A.

Category

Part Number MIC2184YM-TR
Manufacturer Microchip Technology

PMIC - Voltage Regulators - DC DC Switching

Controllers

Description IC REG CTRLR BUCK 16SOIC **Package** 16-SOIC (0.154", 3.90mm Width)

Integrated Circuits (ICs)

For the pricing/inventory/lead time, please contact

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MIC2184YM-TR Specifications

Manufacturer Part Number Manufacturer Microchip Technology Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package 16-SOIC (0.154", 3.90mm Width) Series - Output Type Transistor Driver Function Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.9 V ~ 14 V Frequency - Switching Duty Cycle (Max) Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Operating Temperature Package Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC (0.154", 3.90mm Width) Supplier Device Package		
Category	Manufacturer Part Number	MIC2184YM-TR
PMIC - Voltage Regulators - DC DC Switching Controllers Package 16-SOIC (0.154", 3.90mm Width) Series - Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.9 V ~ 14 V Frequency - Switching 400kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Manufacturer	Microchip Technology
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Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.9 V ~ 14 V Frequency - Switching 400kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Series	-
Output Configuration Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) Frequency - Switching Duty Cycle (Max) Synchronous Rectifier Clock Sync Serial Interfaces Control Features Description: Enable, Frequency Control, Soft Start Operating Temperature Package / Case Package / Case Passide Max Buck 1 1 No 2.9 V ~ 14 V Frequency 400kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Output Type	Transistor Driver
Topology Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) Frequency - Switching Duty Cycle (Max) Synchronous Rectifier Clock Sync Serial Interfaces Control Features Enable, Frequency Control, Soft Start Operating Temperature Package / Case Buck 1 No 2.9 V ~ 14 V 400kHz 100% No Ves Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Function	Step-Down
Number of Outputs Output Phases 1 Voltage - Supply (Vcc/Vdd) Frequency - Switching Duty Cycle (Max) Synchronous Rectifier No Clock Sync Serial Interfaces - Control Features Derating Temperature Package / Case 10000 10000 2.9 V ~ 14 V 400kHz 10000 10000 10000 10000 10000 10000 100000 1000000	Output Configuration	Positive
Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.9 V ~ 14 V Frequency - Switching 400kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Derating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Topology	Buck
Voltage - Supply (Vcc/Vdd) Frequency - Switching 400kHz Duty Cycle (Max) Synchronous Rectifier No Clock Sync Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Number of Outputs	1
Frequency - Switching Duty Cycle (Max) Synchronous Rectifier No Clock Sync Serial Interfaces Control Features Derating Temperature Package / Case 400kHz No No Package / Case 400kHz No Serial Interfaces - Control Sync Enable, Frequency Control, Soft Start -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Output Phases	1
Duty Cycle (Max) Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature Package / Case 16-SOIC (0.154", 3.90mm Width)	Voltage - Supply (Vcc/Vdd)	2.9 V ~ 14 V
Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Frequency - Switching	400kHz
Clock Sync Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Duty Cycle (Max)	100%
Serial Interfaces Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Synchronous Rectifier	No
Control Features Enable, Frequency Control, Soft Start Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case 16-SOIC (0.154", 3.90mm Width)	Clock Sync	Yes
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Package / Case $16\text{-SOIC } (0.154^{\circ}\text{H}, 3.90 \text{mm Width)}$	Serial Interfaces	-
Package / Case 16-SOIC (0.154", 3.90mm Width)	Control Features	Enable, Frequency Control, Soft Start
	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Supplier Device Package 16-SOIC	Package / Case	16-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	16-SOIC
Report errors		Report errors?

MIC2184YM-TR Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

MIC2184YM-TR Payment Methods



















MIC2184YM-TR Shipping Methods













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