



MIC2166YMME Information



For Reference Only

Part Number MIC2166YMME

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

Description IC REG CTRLR BUCK 10MSOP

Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)

Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









MIC2166YMME Specifications

Integrated Circuits (ICs)		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Series Hyper Speed Control? Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Manufacturer Part Number	MIC2166YMME
PMIC - Voltage Regulators - DC DC Switching Controllers Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Series Hyper Speed Control? Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Manufacturer	Microchip Technology
Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Series Hyper Speed Control? Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Category	Integrated Circuits (ICs)
Series Hyper Speed Control? Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Department Andrew Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-MSOP-EP		PMIC - Voltage Regulators - DC DC Switching Controllers
Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-MSOP-EP	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad
Function Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) Frequency - Switching Outy Cycle (Max) Synchronous Rectifier Clock Sync Serial Interfaces Control Features Coperating Temperature Package / Case Supplier Device Package Step-Down Positive Step-Down Positive Austrian Step-Down Positive Austrian Step-Down Austrian Positive Austrian Austrian Austrian Positive Austrian	Series	Hyper Speed Control?
Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Output Type	Transistor Driver
Topology Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Dupactures Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package	Function	Step-Down
Number of Outputs Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Output Configuration	Positive
Output Phases Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package	Topology	Buck
Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package	Number of Outputs	1
Frequency - Switching Duty Cycle (Max) 82% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package	Output Phases	1
Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 28 V
Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Frequency - Switching	600kHz
Clock Sync Serial Interfaces - Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Duty Cycle (Max)	82%
Serial Interfaces Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Synchronous Rectifier	Yes
Control Features Enable, Power Good Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Clock Sync	No
Operating Temperature -40°C ~ 125°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Serial Interfaces	-
Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Control Features	Enable, Power Good
Supplier Device Package 10-MSOP-EP	Operating Temperature	-40°C ~ 125°C (TJ)
	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad
Report errors?	Supplier Device Package	10-MSOP-EP
		Report errors?

MIC2166YMME 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.

MIC2166YMME Payment Methods



















MIC2166YMME Shipping Methods













If you have any question about MIC2166YMME, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com