



MIC38C45-1YM-TR Information

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For Reference Only

Part Number MIC38C45-1YM-TR

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

Description IC REG CTRLR MULT TOP 14SOIC **Package** 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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MIC38C45-1YM-TR Specifications

Manufacturer Part Number MIC38C45-1YM-TR Manufacturer Microchip Technology Category Integrated Circuits (ICs) Package 14-SOIC (0.154", 3.90mm Width) Series - Output Type Transistor Driver Function Step-Up, Step-Down, Step-Up/Step-Down Output Configuration Positive, Isolation Capable Topology Buck, Boost, Flyback, Forward Converter Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 7.6 V ~ 20 V Frequency - Switching 500kHz Duty Cycle (Max) 50% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Frequency Control Operating Temperature -40°C ~ 85°C (TA) Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC		
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Output Configuration Positive, Isolation Capable Topology Buck, Boost, Flyback, Forward Converter Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 7.6 V ~ 20 V Frequency - Switching 500kHz Duty Cycle (Max) 50% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Frequency Control Operating Temperature -40°C ~ 85°C (TA) Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Output Type	Transistor Driver
Topology Buck, Boost, Flyback, Forward Converter Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 7.6 V ~ 20 V Frequency - Switching 500kHz Duty Cycle (Max) 50% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Frequency Control Operating Temperature -40°C ~ 85°C (TA) Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Function	Step-Up, Step-Down, Step-Up/Step-Down
Number of Outputs Output Phases 1 Voltage - Supply (Vcc/Vdd) 7.6 V ~ 20 V Frequency - Switching Duty Cycle (Max) Synchronous Rectifier Clock Sync No Serial Interfaces - Control Features Frequency Control Operating Temperature -40°C ~ 85°C (TA) Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Output Configuration	Positive, Isolation Capable
Output Phases 1 Voltage - Supply (Vcc/Vdd) 7.6 V ~ 20 V Frequency - Switching 500kHz Duty Cycle (Max) 50% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Operating Temperature Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Topology	Buck, Boost, Flyback, Forward Converter
Voltage - Supply (Vcc/Vdd)7.6 V ~ 20 VFrequency - Switching500kHzDuty Cycle (Max)50%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesFrequency ControlOperating Temperature-40°C ~ 85°C (TA)Package / Case14-SOIC (0.154", 3.90mm Width)Supplier Device Package14-SOIC	Number of Outputs	1
Frequency - Switching Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Operating Temperature Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Output Phases	1
Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Frequency Control Operating Temperature -40°C ~ 85°C (TA) Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Supply (Vcc/Vdd)	7.6 V ~ 20 V
Synchronous Rectifier Clock Sync No Serial Interfaces - Control Features Operating Temperature Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Frequency - Switching	500kHz
Clock Sync Serial Interfaces - Control Features Frequency Control Operating Temperature -40°C ~ 85°C (TA) Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package	Duty Cycle (Max)	50%
Serial Interfaces - Control Features Frequency Control Operating Temperature -40°C ~ 85°C (TA) Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Synchronous Rectifier	Yes
Control Features Frequency Control Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Clock Sync	No
Operating Temperature -40°C ~ 85°C (TA) Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Serial Interfaces	-
Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SOIC	Control Features	Frequency Control
Supplier Device Package 14-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	14-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	14-SOIC
		Report errors?

MIC38C45-1YM-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.

MIC38C45-1YM-TR Payment Methods



















MIC38C45-1YM-TR Shipping Methods













If you have any question about MIC38C45-1YM-TR, please do not hesitate to contact us!

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