

LTC3824MPMSE#PBF

LTC3824MPMSE#PBF Information



For Reference Only

Part Number LTC3824MPMSE#PBF
Manufacturer Linear 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



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Certified Quality

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LTC3824MPMSE#PBF Specifications

Manufacturer Part Number LTC3824MPMSE#PBF Manufacturer Linear Technology Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers Package 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Series - Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4 V ~ 60 V Frequency - Switching 200kHz ~ 600kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP		
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Series - Output Type Transistor Driver Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4 V ~ 60 V Frequency - Switching 200kHz ~ 600kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP		PMIC - Voltage Regulators - DC DC Switching Controllers
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)4 V ~ 60 VFrequency - Switching200kHz ~ 600kHzDuty Cycle (Max)100%Synchronous RectifierNoClock SyncYesSerial Interfaces-Control FeaturesFrequency Control, Soft StartOperating Temperature-55°C ~ 150°C (TJ)Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-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) 4 V ~ 60 V Frequency - Switching Duty Cycle (Max) Synchronous Rectifier No Clock Sync Serial Interfaces Serial Interfaces Control Features Frequency - Soor Control, Soft Start Operating Temperature -55°C ~ 150°C (TJ) Package / Case Supplier Device Package 10-MSOP-EP	Series	-
Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4 V ~ 60 V Frequency - Switching 200kHz ~ 600kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°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 V ~ 60 V Frequency - Switching 200kHz ~ 600kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Frequency - Sor 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 V ~ 60 V Frequency - Switching 200kHz ~ 600kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Operating Temperature -55°C ~ 150°C (TJ) Package / Case 10-MSOP-EP	Output Configuration	Positive
Output Phases 1 Voltage - Supply (Vcc/Vdd) 4 V ~ 60 V Frequency - Switching 200kHz ~ 600kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Topology	Buck
Voltage - Supply (Vcc/Vdd) 4 V ~ 60 V Frequency - Switching 200kHz ~ 600kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°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) 100% Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°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 No Clock Sync Yes Serial Interfaces - Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Voltage - Supply (Vcc/Vdd)	4 V ~ 60 V
Synchronous Rectifier No Clock Sync Yes Serial Interfaces - Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Frequency - Switching	200kHz ~ 600kHz
Clock Sync Yes Serial Interfaces - Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Duty Cycle (Max)	100%
Serial Interfaces Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Synchronous Rectifier	No
Control Features Frequency Control, Soft Start Operating Temperature -55°C ~ 150°C (TJ) Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad Supplier Device Package 10-MSOP-EP	Clock Sync	Yes
Operating Temperature -55°C ~ 150°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	Frequency Control, Soft Start
Supplier Device Package 10-MSOP-EP	Operating Temperature	-55°C ~ 150°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?

LTC3824MPMSE#PBF 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.

LTC3824MPMSE#PBF Payment Methods



















LTC3824MPMSE#PBF Shipping Methods













If you have any question about LTC3824MPMSE#PBF, please do not hesitate to contact us!

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