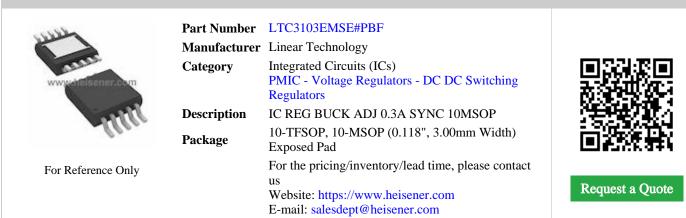


LTC3103EMSE#PBF

LTC3103EMSE#PBF Information



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.



LTC3103EMSE#PBF Specifications

ManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositivePoologyBuckOutput TypeAdjustableVoltage - Input (Min)2.5VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)300mACurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad	-	
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositivePoologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.5VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)300mACurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP EP	Manufacturer Part Number	LTC3103EMSE#PBF
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSteries-FunctionStep-DownOutput ConfigurationPositiveOutput ConfigurationPositiveOutput TypeAdjustableOutput Type1Voltage - Input (Mar)5.VVoltage - Output (Min/Fixed)6.6VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)3.8VVoltage - Output (Mar)1.2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Manufacturer	Linear Technology
Package10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.5VVoltage - Input (Min/Fixed)0.6VVoltage - Output (Min/Fixed)3.8VCurrent - Output300mASynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Category	Integrated Circuits (ICs)
Series-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.5VVoltage - Input (Max)15VVoltage - Output (Max)0.6VVoltage - Output (Max)3.8NCurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-MTSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type1Number of Outputs1Voltage - Input (Min)2.5VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Min/Fixed)3.8VCurrent - Output300mACurrent - Output1.2MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting Type0.4TSSOP (0.118", 3.00mm Width) Exposed PadPackage / Case10-MSOP-EPSynphier Device Package10-MSOP-EP	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad
Output ConfigurationPositivePositiveBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.5VVoltage - Input (Max)15VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)13.8VCurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Series	-
TopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.5VVoltage - Input (Max)15VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)13.8VCurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Function	Step-Down
Output TypeAdjustableOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.5VVoltage - Input (Max)15VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)13.8VCurrent - Output300mACurrent - Output1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Output Configuration	Positive
Number of Outputs1Number of Outputs1Voltage - Input (Min)2.5VVoltage - Input (Max)15VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)13.8VCurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Topology	Buck
Voltage - Input (Min)2.5VVoltage - Input (Max)15VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)13.8VCurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Output Type	Adjustable
Voltage - Input (Max)15VVoltage - Output (Min/Fixed)0.6VVoltage - Output (Max)13.8VCurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Number of Outputs	1
Voltage - Output (Min/Fixed)0.6VVoltage - Output (Max)13.8VCurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Voltage - Input (Min)	2.5V
Voltage - Output (Max)13.8VCurrent - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Voltage - Input (Max)	15V
Current - Output300mAFrequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Voltage - Output (Min/Fixed)	0.6V
Frequency - Switching1.2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Voltage - Output (Max)	13.8V
Synchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Current - Output	300mA
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Frequency - Switching	1.2MHz
Mounting TypeSurface MountPackage / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Synchronous Rectifier	Yes
Package / Case10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package10-MSOP-EP	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 10-MSOP-EP	Mounting Type	Surface Mount
	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad
Report errors?	Supplier Device Package	10-MSOP-EP
		Report errors?

LTC3103EMSE#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.

LTC3103EMSE#PBF Payment Methods





If you have any question about LTC3103EMSE#PBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com