

# LT3065HMSE-1.2#PBF

#### LT3065HMSE-1.2#PBF Information



Part Number	LT3065HMSE-1.2#PBF
Manufacturer	Linear Technology
Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear
Description	IC REG LINEAR 1.2V 500MA 12MSOP
Package	12-TSSOP (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

For Reference Only

## **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.



### LT3065HMSE-1.2#PBF Specifications

Manufacturer Part Number     LT3065HMSE-1.2#PBF       Manufacturer     Linear Technology       Category     Integrated Circuits (ICs)       PMIC - Voltage Regulators - Linear       Package     12-TSSOP (0.118", 3.00mm Width) Exposed Pad       Series     -       Output Configuration     Positive       Output Type     Fixed       Voltage Input (Max)     1       Voltage - Input (Max)     45V       Voltage - Output (Min/Fixed)     1.2V       Voltage - Output (Max)     -       Voltage - Output (Max)     -       Voltage - Output (Max)     -       Current - Output     500mA       Current - Quiescent (Iq)     -       Current - Supply (Max)     110µA ~ 25mA       PSRR     78dB (120Hz)       Control Features     Over Current, Over Temperature, Reverse Polarity       Operating Temperature     40°C ~ 150°C       Mounting Type     Surface Mount       Package / Case     12-TSSOP (0.118", 3.00mm Width) Exposed Pad			
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage12-TSSOP (0.118", 3.00mm Width) Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)45VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dopout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110µA ~ 25mAPSRR78dB (120Hz)Control FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-TSSOP (0.118", 3.00mm Width) Exposed Pad	Manufacturer Part Number	LT3065HMSE-1.2#PBF	
PMIC - Voltage Regulators - LinearPackage12-TSSOP (0.118", 3.00mm Width) Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)45VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110µA ~ 25mAPSRR78dB (120Hz)Control FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Manufacturer	Linear Technology	
Package12-TSSOP (0.118", 3.00mm Width) Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)45VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage - Output (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)10µA ~ 25mAPSRR78dB (120Hz)Portection FeaturesOver Current, Over Temperature, Reverse PolarityProtection Features-Mounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Category	Integrated Circuits (ICs)	
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)45VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110µA ~ 25mAPSRR78dB (120Hz)Control FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage Input (Max)45VVoltage Output (Min/Fixed)1.2VVoltage Output (Max)0.51V @ 500mAVoltage Dropout (Max)500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)10µA ~ 25mAPSRR78dB (120Hz)Potection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature40°C ~ 150°CMounting TypeSufface MountPackage / Case12-MSOP-EP	Package	12-TSSOP (0.118", 3.00mm Width) Exposed Pad	
Output TypeFixedNumber of Regulators1Voltage - Input (Max)45VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Voltage Supply (Max)10µA ~ 25mAPSRR7dB (120Hz)Portection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Series	-	
Number of Regulators1Number of Regulators45VVoltage - Input (Max)45VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110µA ~ 25mAPSRR78dB (120Hz)Control FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-Mounting TypeSurface MountPackage / Case12-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Output Configuration	Positive	
Voltage - Input (Max)45VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110µA ~ 25mAPSRR78dB (120Hz)Control FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-MSOP-EPSupplier Device Package12-MSOP-EP	Output Type	Fixed	
Voltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110µA ~ 25mAPSRR78dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Number of Regulators	1	
Voltage - Output (Max)-Voltage Dropout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110μA ~ 25mAPSRR78dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Voltage - Input (Max)	45V	
Voltage Dropout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110μA ~ 25mAPSRR78dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Voltage - Output (Min/Fixed)	1.2V	
Current - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110μA ~ 25mAPSRR78dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Voltage - Output (Max)	-	
Current - Quiescent (Iq)-Current - Supply (Max)110μA ~ 25mAPSRR78dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Voltage Dropout (Max)	0.51V @ 500mA	
Current - Supply (Max)110μA ~ 25mAPSRR78dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Current - Output	500mA	
PSRR78dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Current - Quiescent (Iq)	-	
Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Current - Supply (Max)	110µA ~ 25mA	
Protection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	PSRR	78dB (120Hz)	
Operating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Control Features	Current Limit, Enable, Power Good, Soft Start	
Mounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Protection Features	Over Current, Over Temperature, Reverse Polarity	
Package / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Operating Temperature	$-40^{\circ}\mathrm{C} \sim 150^{\circ}\mathrm{C}$	
Supplier Device Package 12-MSOP-EP	Mounting Type	Surface Mount	
	Package / Case	12-TSSOP (0.118", 3.00mm Width) Exposed Pad	
Report errors?	Supplier Device Package	12-MSOP-EP	
		Report err	rors?

#### LT3065HMSE-1.2#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 EUARANTEE

#### Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### LT3065HMSE-1.2#PBF Payment Methods





If you have any question about LT3065HMSE-1.2#PBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com