

# LT3065MPMSE-5#PBF

#### LT3065MPMSE-5#PBF Information



Part Number	LT3065MPMSE-5#PBF
Manufacturer	Linear Technology
Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear
Description	IC REG LINEAR 5V 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



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## **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.



### LT3065MPMSE-5#PBF Specifications

Manufacturer     Linear Technology       Manufacturer     Linear Technology       Manufacturer     Integrated Circuits (ICs)       Package     12-TSSOP (0.118", 3.00mm Width) Exposed Pad       Package     -       Output Configuration     Positive       Output Type     Fixed       Number of Regulators     1       Voltage - Input (Max)     45V       Voltage - Output (Min/Fixed)     5V       Voltage - Output (Max)     -       Voltage Dropout (Max)     0.51V @ 500mA       Current - Output     500mA       Current - Quiescent (Iq)     -       Current - Supply (Max)     110µA ~ 25mA       PSRR     70dB (120Hz)       Control Features     Over Current, Over Temperature, Reverse Polarity       Operating Temperature     -55°C ~ 150°C       Mounting Type     Surface Mount       Package / Case     12-TSSOP (0.118", 3.00mm Width) Exposed Pad			
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       Number of Regulators     1       Voltage - Input (Max)     45V       Voltage - Output (Min/Fixed)     5V       Voltage - Output (Max)     -       Voltage Doupout (Max)     0.51V @ 500mA       Current - Output     500mA       Current - Quiescent (Iq)     -       Current - Supply (Max)     110µA ~ 25mA       PSRR     70dB (120Hz)       Potection Features     Over Current, Over Temperature, Reverse Polarity       Operating Temperature     -55°C ~ 150°C       Mounting Type     Surface Mount       Package / Case     12-TSSOP (0.118", 3.00mm Width) Exposed Pad       Supplier Device Package     12-TSSOP (0.118", 3.00mm Width) Exposed Pad	Manufacturer Part Number	LT3065MPMSE-5#PBF	
PMIC - Voltage Regulators - LinearPackage12-TSSOP (0.118", 3.00mm Width) Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)45VVoltage - Output (Min/Fixed)5VVoltage - Output (Min/Fixed)-Voltage Dropout (Max)-Voltage Dropout (Max)500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110µA ~ 25mAPSRR70dB (120Hz)Potection FeaturesOver Current, Over Temperature, Reverse PolarityPortection Features50°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Manufacturer	Linear Technology	
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Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)45VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage - Output (Max)0.51V @ 500mACurrent - Output500mACurrent - Output-Current - Quiescent (Iq)-Current - Supply (Max)110µA ~ 25mAPSRROdB (120Hz)Control FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-55°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Package	12-TSSOP (0.118", 3.00mm Width) Exposed Pad	
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Voltage - Input (Max)     45V       Voltage - Output (Min/Fixed)     5V       Voltage - Output (Max)     -       Voltage Dropout (Max)     0.51V @ 500mA       Current - Output     500mA       Current - Output     500mA       Current - Quiescent (Iq)     -       Current - Supply (Max)     110µA ~ 25mA       PSRR     70dB (120Hz)       Control Features     Over Current, Over Temperature, Reverse Polarity       Operating Temperature     -55°C ~ 150°C       Mounting Type     Surface Mount       Package / Case     12-TSSOP (0.118", 3.00mm Width) Exposed Pad       Supplier Device Package     12-MSOP-EP	Output Type	Fixed	
Voltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)0.51V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)110μA ~ 25mAPSRR70dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-55°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Number of Regulators	1	
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Current - Quiescent (Iq)-Current - Supply (Max)110μA ~ 25mAPSRR70dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-55°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	Voltage Dropout (Max)	0.51V @ 500mA	
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PSRR70dB (120Hz)Control FeaturesCurrent Limit, Enable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-55°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-55°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-55°C ~ 150°CMounting TypeSurface MountPackage / Case12-TSSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package12-MSOP-EP	PSRR	70dB (120Hz)	
Operating Temperature-55°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	$-55^{\circ}C \sim 150^{\circ}C$	
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 errors?

#### LT3065MPMSE-5#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.

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