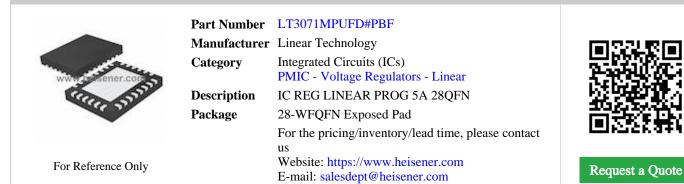


# LT3071MPUFD#PBF

### LT3071MPUFD#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.



# LT3071MPUFD#PBF Specifications

ManufacturerLinear TechnologyManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage28-WFQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeProgrammableNumber of Regulators1Voltage - Input (Max)3VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)1.8VVoltage - Output (Max)0.15V @ 5ACurrent - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)		
Category Integrated Circuits (ICs)   Package 28-WFQFN Exposed Pad   Package 28-WFQFN Exposed Pad   Series -   Output Configuration Positive   Output Type Programmable   Number of Regulators 1   Voltage - Input (Max) 3V   Voltage - Output (Min/Fixed) 0.8V   Voltage - Output (Max) 1.8V   Voltage Doupout (Max) 0.15V @ 5A   Current - Output 5A   Current - Quiescent (Iq) -   Current - Quiescent (Iq) -   PSRR 66dB (120Hz)   Control Features Over Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)   Operating Temperature -55°C ~ 125°C   Mounting Type Surface Mount   Package / Case 28-WFQFN Exposed Pad   Supplier Device Package 28-UFN Exposed Pad	Manufacturer Part Number	LT3071MPUFD#PBF
PMIC - Voltage Regulators - LinearPackage28-WFQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeProgrammableNumber of Regulators1Voltage - Input (Max)3VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)1.8VVoltage Dropout (Max)0.15V @ 5ACurrent - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-QFN (4x5)	Manufacturer	Linear Technology
Package28-WFQFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeProgrammableNumber of Regulators1Voltage - Input (Max)3VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)1.8VVoltage Dropout (Max)0.15V @ 5ACurrent - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Category	Integrated Circuits (ICs)
Series.Output ConfigurationPositiveOutput TypeProgrammableNumber of Regulators1Voltage - Input (Max)3VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)1.8VVoltage - Output (Max)0.15V @ 5ACurrent - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesEnable, Power Good, Soft StartProtection Features0ver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature5.5°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeProgrammableNumber of Regulators1Voltage - Input (Max)3VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)1.8VVoltage - Output (Max)0.15V @ 5ACurrent - Output5ACurrent - Output1.5mA ~ 10mAPSRR6dB (120Hz)Control FeaturesFable, Power Good, Soft StartProtection Features0.9cv Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating TypeSufface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Package	28-WFQFN Exposed Pad
Output Type Programmable   Number of Regulators 1   Voltage - Input (Max) 3V   Voltage - Output (Min/Fixed) 0.8V   Voltage - Output (Max) 1.8V   Voltage Dropout (Max) 0.15V @ 5A   Current - Output 5A   Current - Quiescent (Iq) -   Current - Supply (Max) 1.5mA ~ 10mA   PSRR 6dB (120Hz)   Control Features Over Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)   Operating Temperature -55°C ~ 125°C   Mounting Type Surface Mount   Package / Case 28-WFQFN Exposed Pad   Supplier Device Package 28-QFN (4x5)	Series	-
Number of Regulators1Voltage - Input (Max)3VVoltage - Output (Min/Fixed)0.8VVoltage - Output (Max)1.8VVoltage Dropout (Max)0.15V @ 5ACurrent - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesDover Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Output Configuration	Positive
Voltage - Input (Max)3VVoltage - Output (Max)0.8VVoltage - Output (Max)1.8VVoltage Dropout (Max)0.15V @ 5ACurrent - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Output Type	Programmable
Voltage - Output (Min/Fixed)0.8VVoltage - Output (Max)1.8VVoltage Dropout (Max)0.15V @ 5ACurrent - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control Features5AProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Number of Regulators	1
Voltage - Output (Max)1.8VVoltage Dropout (Max)0.15V @ 5ACurrent - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Voltage - Input (Max)	3V
Voltage Dropout (Max)0.15V @ 5ACurrent - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Voltage - Output (Min/Fixed)	0.8V
Current - Output5ACurrent - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Voltage - Output (Max)	1.8V
Current - Quiescent (Iq)-Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Voltage Dropout (Max)	0.15V @ 5A
Current - Supply (Max)1.5mA ~ 10mAPSRR66dB (120Hz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Current - Output	5A
PSRR66dB (120Hz)Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Current - Quiescent (Iq)	-
Control FeaturesEnable, Power Good, Soft StartProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Current - Supply (Max)	1.5mA ~ 10mA
Protection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	PSRR	66dB (120Hz)
Operating Temperature-55°C ~ 125°CMounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Control Features	Enable, Power Good, Soft Start
Mounting TypeSurface MountPackage / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Protection Features	Over Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)
Package / Case28-WFQFN Exposed PadSupplier Device Package28-QFN (4x5)	Operating Temperature	-55°C ~ 125°C
Supplier Device Package 28-QFN (4x5)	Mounting Type	Surface Mount
	Package / Case	28-WFQFN Exposed Pad
Report errors?	Supplier Device Package	28-QFN (4x5)
		Report errors?

#### LT3071MPUFD#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 BUARANTEE

#### **Service Guarantees**

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

#### LT3071MPUFD#PBF Payment Methods





If you have any question about LT3071MPUFD#PBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com