



LD3980PU18R Information



For Reference Only

Part Number LD3980PU18R

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 1.8V 300MA 6DFN

Package 6-VDFN 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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LD3980PU18R Specifications

Manufacturer Part Number LD3980PU18R Manufacturer STMicroelectronics Category Integrated Circuits (ICs) Package 6-VDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 3.6V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.15V @ 300mA Current - Output 300mA Current - Supply (Max) 110μA ~ 130μA PSRR 60dB ~ 58dB (1kHz ~ 10kHz) Control Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (3x3)	•	
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Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.15V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)110µA ~ 130µAPSRR60dB ~ 58dB (1kHz ~ 10kHz)Control Features60dB ~ 58dB (1kHz ~ 10kHz)Protection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)		PMIC - Voltage Regulators - Linear
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Output TypeFixedNumber of Regulators1Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.15V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)110µA ~ 130µAPSRR60dB ~ 58dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Series	-
Number of Regulators 1 Voltage - Input (Max) 3.6V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.15V @ 300mA Current - Output 300mA Current - Quiescent (Iq) - Current - Supply (Max) 110μA ~ 130μA PSRR 60dB ~ 58dB (1kHz ~ 10kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (3x3)	Output Configuration	Positive
Voltage - Input (Max)3.6VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.15V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)110μA ~ 130μAPSRR60dB ~ 58dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Output Type	Fixed
Voltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.15V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)110μA ~ 130μAPSRR60dB ~ 58dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 300mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 60dB ~ 58dB (1kHz ~ 10kHz) Control Features Protection Features Operating Temperature Operating Temperature Operating Type Surface Mount Package / Case Supplier Device Package - Output - Output 300mA - Current - Output -	Voltage - Input (Max)	3.6V
Voltage Dropout (Max) Current - Output 300mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 60dB ~ 58dB (1kHz ~ 10kHz) Control Features Enable Protection Features Operating Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case Supplier Device Package 6-DFN (3x3)	Voltage - Output (Min/Fixed)	1.8V
Current - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)110μA ~ 130μAPSRR60dB ~ 58dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)110μA ~ 130μAPSRR60dB ~ 58dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Voltage Dropout (Max)	0.15V @ 300mA
Current - Supply (Max)110μA ~ 130μAPSRR60dB ~ 58dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Current - Output	300mA
PSRR 60dB ~ 58dB (1kHz ~ 10kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (3x3)	Current - Quiescent (Iq)	-
Control Features Protection Features Over Current, Over Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (3x3)	Current - Supply (Max)	$110\mu A \sim 130\mu A$
Protection Features Over Current, Over Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount $ \text{Package / Case} $	PSRR	60dB ~ 58dB (1kHz ~ 10kHz)
Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (3x3)	Control Features	Enable
Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (3x3)	Protection Features	Over Current, Over Temperature
Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (3x3)	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 6-DFN (3x3)	Mounting Type	Surface Mount
	Package / Case	6-VDFN Exposed Pad
Report errors?	Supplier Device Package	6-DFN (3x3)
		Report errors?

LD3980PU18R 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.

LD3980PU18R Payment Methods



















LD3980PU18R Shipping Methods













If you have any question about LD3980PU18R, please do not hesitate to contact us!

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