

# ST1L08PUR

### **ST1L08PUR Information**



Number	ST1L08PUR	
ufacturer	STMicroelectronics	
egory	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear	
cription	IC REG LIN POS ADJ 800MA 8DFN	
kage	8-VFDFN 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**

For Reference Only

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.



## **ST1L08PUR Specifications**

Manufacturer STMicroelectronics   Manufacturer STMicroelectronics   Category Integrated Circuits (ICs)   Package 8-VFDFN Exposed Pad   Package 8-VFDFN Exposed Pad   Series -   Output Configuration Positive   Output Type Adjustable   Number of Regulators 1   Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 0.5V   Voltage - Output (Max) 4V   Voltage Dropout (Max) 0.09V @ 800mA   Current - Output 800mA   Current - Quiescent (Iq) -   Current - Supply (Max) 10µA   PSRR 80dB ~ 50dB (100Hz ~ 1MHz)   Control Features Fnable, Power Good   Protection Features Over Current, Over Temperature   Operating Temperature 40°C ~ 125°C   Mounting Type Surface Mount   Package / Case 8-VFDFN Exposed Pad		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - LinearPackage8-VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)0.9V @ 800mACurrent - Output800mACurrent - Output0.9V @ 800mACurrent - Quiescent (Iq)-Current - Supply (Max)10µAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Portection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting Type8urface MountPackage / Case8.VFDFN Exposed PadSupplier Device Package8.DFN (2x3)	Manufacturer Part Number	ST1L08PUR
PMIC - Voltage Regulators - LinearPackage8-VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)4VVoltage - Output (Max)0.9V @ 800mACurrent - Output800mACurrent - Output10µAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesOver Current, Over TemperatureProtection FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSufface MountSupplier Device Package8-DFN (2x3)	Manufacturer	STMicroelectronics
Package8-VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)6.9VVoltage - Output (Max)0.9V @ 800mACurrent - Output800mACurrent - Output10µAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesFnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSufface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)4VVoltage - Output (Max)0.09V @ 800mAVoltage Dropout (Max)0.09V @ 800mACurrent - Output800mACurrent - Quiescent (Iq)-Current - Supply (Max)10µAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)4VVoltage - Output (Max)0.09V @ 800mAVoltage Dropout (Max)0.09V @ 800mACurrent - Output800mACurrent - Quiescent (Iq)-Current - Supply (Max)10µAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesOver Current, Over TemperatureOperating Temperature60°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Package	8-VFDFN Exposed Pad
Output TypeAdjustableNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)4VVoltage Dropout (Max)0.09V @ 800mACurrent - Output800mACurrent - Quiescent (Iq)-Current - Supply (Max)10µAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesOver Current, Over TemperatureOperating Temperature-Operating Temperature-Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Series	-
Number of Regulators1Voltage of Regulators5.5VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)4VVoltage Dropout (Max)0.09V @ 800mACurrent - Output800mACurrent - Quiescent (Iq)-Current - Supply (Max)10µAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-DFN (2x3)	Output Configuration	Positive
Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 0.5V   Voltage - Output (Max) 4V   Voltage Dropout (Max) 0.09V @ 800mA   Current - Output 800mA   Current - Quiescent (Iq) -   Current - Supply (Max) 10μA   PSRR 80dB ~ 50dB (100Hz ~ 1MHz)   Control Features Over Current, Over Temperature   Operating Temperature -40°C ~ 125°C   Mounting Type Surface Mount   Package / Case 8-VFDFN Exposed Pad   Supplier Device Package 8-DFN (2x3)	Output Type	Adjustable
Voltage - Output (Min/Fixed)0.5VVoltage - Output (Max)4VVoltage Dropout (Max)0.09V @ 800mACurrent - Output800mACurrent - Quiescent (Iq)-Current - Supply (Max)10µAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesEnable, Power GoodProtection Features-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Number of Regulators	1
Voltage - Output (Max)4VVoltage Dropout (Max)0.09V @ 800mACurrent - Output800mACurrent - Quiescent (Iq)-Current - Supply (Max)10µAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)0.09V @ 800mACurrent - Output800mACurrent - Quiescent (Iq)-Current - Supply (Max)10μAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Voltage - Output (Min/Fixed)	0.5V
Current - Output800mACurrent - Quiescent (Iq)-Current - Supply (Max)10μAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Voltage - Output (Max)	4V
Current - Quiescent (Iq)-Current - Supply (Max)10μAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Voltage Dropout (Max)	0.09V @ 800mA
Current - Supply (Max)10μAPSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Current - Output	800mA
PSRR80dB ~ 50dB (100Hz ~ 1MHz)Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Current - Quiescent (Iq)	-
Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Current - Supply (Max)	10μΑ
Protection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	PSRR	80dB ~ 50dB (100Hz ~ 1MHz)
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Control Features	Enable, Power Good
Mounting TypeSurface MountPackage / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Protection Features	Over Current, Over Temperature
Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Operating Temperature	$-40^{\circ}C \sim 125^{\circ}C$
Supplier Device Package8-DFN (2x3)	Mounting Type	Surface Mount
	Package / Case	8-VFDFN Exposed Pad
Report errors?	Supplier Device Package	8-DFN (2x3)
		Report errors?

#### **ST1L08PUR 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.

#### **ST1L08PUR Payment Methods**



## **ST1L08PUR Shipping Methods**



If you have any question about ST1L08PUR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com