



## LD39020TPU33R Information



For Reference Only

Part Number LD39020TPU33R

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LINEAR 3.3V 200MA 4DFN

Package 4-XDFN 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.

**Description** 









## LD39020TPU33R Specifications

Manufacturer Part Number         LD39020TPU33R           Manufacturer         STMicroelectronics           Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         4-XDFN Exposed Pad           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         200mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         40µA           PSRR         80dB ~ 55dB (1kHz ~ 100kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature, Soft Start           Operating Temperature         -40°C ~ 125°C (TJ)           Mounting Type         Surface Mount           Package / Case         4-XDFN Exposed Pad           Supplier Device Package         4-DFN (1x1)	•	
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         4-XDFN Exposed Pad           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         200mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         40μA           PSRR         80dB ~ 55dB (1kHz ~ 100kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature, Soft Start           Operating Temperature         -40°C ~ 125°C (TJ)           Mounting Type         Surface Mount           Package / Case         4-XDFN Exposed Pad           Supplier Device Package         4-DFN (1x1)	Manufacturer Part Number	LD39020TPU33R
PMIC - Voltage Regulators - Linear           Package         4-XDFN Exposed Pad           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         200mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         40μA           PSRR         80dB ~ 55dB (1kHz ~ 100kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature, Soft Start           Operating Temperature         -40°C ~ 125°C (TJ)           Mounting Type         Surface Mount           Package / Case         4-XDFN Exposed Pad           Supplier Device Package         4-DFN (1x1)	Manufacturer	STMicroelectronics
Package         4-XDFN Exposed Pad           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         200mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         40μA           PSRR         80dB ~ 55dB (1kHz ~ 100kHz)           Control Features         Over Current, Over Temperature, Soft Start           Operating Temperature         -40°C ~ 125°C (TJ)           Mounting Type         Surface Mount           Package / Case         4-XDFN Exposed Pad           Supplier Device Package         4-DFN (1x1)	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)40μAPSRR80dB ~ 55dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-DFN (1x1)		PMIC - Voltage Regulators - Linear
Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         200mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         40μA           PSRR         80dB ~ 55dB (1kHz ~ 100kHz)           Control Features         Over Current, Over Temperature, Soft Start           Operating Temperature         -40°C ~ 125°C (TJ)           Mounting Type         Surface Mount           Package / Case         4-XDFN Exposed Pad           Supplier Device Package         4-DFN (1x1)	Package	4-XDFN Exposed Pad
Output Type Fixed  Number of Regulators 1  Voltage - Input (Max) 5.5V  Voltage - Output (Min/Fixed) 3.3V  Voltage - Output (Max) -  Voltage Dropout (Max) -  Current - Output 200mA  Current - Quiescent (Iq) -  Current - Supply (Max) 40µA  PSRR 80dB ~ 55dB (1kHz ~ 100kHz)  Control Features Enable  Protection Features Over Current, Over Temperature, Soft Start  Operating Temperature 40°C ~ 125°C (TJ)  Mounting Type Surface Mount  Package / Case 4-DFN (1x1)	Series	-
Number of Regulators1Voltage - Input (Max)5.5 VVoltage - Output (Min/Fixed)3.3 VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)40μAPSRR80dB ~ 55dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-DFN (1x1)	Output Configuration	Positive
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)40μAPSRR80dB ~ 55dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-DFN (1x1)	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  - Voltage Dropout (Max)  - Current - Output  200mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  80dB ~ 55dB (1kHz ~ 100kHz)  Control Features  Protection Features  Over Current, Over Temperature, Soft Start  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  4-XDFN Exposed Pad  Supplier Device Package  4-DFN (1x1)	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  - Current - Output  200mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  80dB ~ 55dB (1kHz ~ 100kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature, Soft Start  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  4-XDFN Exposed Pad  Supplier Device Package	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)  Current - Output  200mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  80dB ~ 55dB (1kHz ~ 100kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature, Soft Start  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  4-XDFN Exposed Pad  Supplier Device Package  4-DFN (1x1)	Voltage - Output (Min/Fixed)	3.3V
Current - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)40μAPSRR80dB ~ 55dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-DFN (1x1)	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)40μAPSRR80dB ~ 55dB (1kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-DFN (1x1)	Voltage Dropout (Max)	-
Current - Supply (Max) $40\mu A$ $80dB \sim 55dB (1kHz \sim 100kHz)$ Control Features Enable Protection Features Over Current, Over Temperature, Soft Start $-40^{\circ}C \sim 125^{\circ}C (TJ)$ Mounting Type Surface Mount Package / Case $4-XDFN$ Exposed Pad Supplier Device Package $4-DFN (1x1)$	Current - Output	200mA
PSRR 80dB ~ 55dB (1kHz ~ 100kHz)  Control Features Enable  Protection Features Over Current, Over Temperature, Soft Start  Operating Temperature -40°C ~ 125°C (TJ)  Mounting Type Surface Mount  Package / Case 4-XDFN Exposed Pad  Supplier Device Package 4-DFN (1x1)	Current - Quiescent (Iq)	-
Control Features  Protection Features  Over Current, Over Temperature, Soft Start  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  4-XDFN Exposed Pad  Supplier Device Package  4-DFN (1x1)	Current - Supply (Max)	40μΑ
Protection Features Over Current, Over Temperature, Soft Start Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ)  Mounting Type Surface Mount  Package / Case $4\text{-XDFN}$ Exposed Pad  Supplier Device Package $4\text{-DFN}$ (1x1)	PSRR	80dB ~ 55dB (1kHz ~ 100kHz)
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ)  Mounting Type Surface Mount  Package / Case $4\text{-XDFN}$ Exposed Pad  Supplier Device Package $4\text{-DFN}$ (1x1)	Control Features	Enable
Mounting Type Surface Mount  Package / Case 4-XDFN Exposed Pad  Supplier Device Package 4-DFN (1x1)	Protection Features	Over Current, Over Temperature, Soft Start
Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-DFN (1x1)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 4-DFN (1x1)	Mounting Type	Surface Mount
	Package / Case	4-XDFN Exposed Pad
Report errors?	Supplier Device Package	4-DFN (1x1)
		Report errors?

#### LD39020TPU33R 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.

# LD39020TPU33R Payment Methods



















### LD39020TPU33R Shipping Methods













If you have any question about LD39020TPU33R, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com