



#### NCV8503PW25G Information



For Reference Only

Part Number NCV8503PW25G

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 2.5V 400MA 16SOIC

Package 16-SOIC (0.295", 7.50mm 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.









## NCV8503PW25G Specifications

Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         16-SOIC (0.295", 7.50mm Width) Exposed Pad           Series         Automotive, AEC-Q100           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         45V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         400mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         350μA ~ 45mA           PSRR         -           Control Features         Enable, Reset           Protection Features         Over Temperature, Reverse Polarity, Short Circuit           Operating Temperature         -40°C ~ 150°C           Mounting Type         Surface Mount           Package / Case         16-SOIC (0.295", 7.50mm Width) Exposed Pad	•		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         16-SOIC (0.295", 7.50mm Width) Exposed Pad           Series         Automotive, AEC-Q100           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         45V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         400mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         350μA ~ 45mA           PSRR         -           Control Features         Enable, Reset           Protection Features         Over Temperature, Reverse Polarity, Short Circuit           Operating Temperature         -40°C ~ 150°C           Mounting Type         Surface Mount           Package / Case         16-SOIC (0.295", 7.50mm Width) Exposed Pad           Supplier Device Package         16-SOIC	Manufacturer Part Number	NCV8503PW25G	
PMIC - Voltage Regulators - Linear	Manufacturer	ON Semiconductor	
Package         16-SOIC (0.295", 7.50mm Width) Exposed Pad           Series         Automotive, AEC-Q100           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         45V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         400mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         350μA ~ 45mA           PSRR         -           Control Features         Enable, Reset           Protection Features         Over Temperature, Reverse Polarity, Short Circuit           Operating Temperature         -40°C ~ 150°C           Mounting Type         Surface Mount           Package / Case         16-SOIC (0.295", 7.50mm Width) Exposed Pad           Supplier Device Package         16-SOIC	Category	Integrated Circuits (ICs)	
Series Automotive, AEC-Q100  Output Configuration Positive  Output Type Fixed  Number of Regulators 1  Voltage - Input (Max) 45V  Voltage - Output (Min/Fixed) 2.5V  Voltage - Output (Max) -  Voltage Dropout (Max) -  Current - Output 400mA  Current - Quiescent (Iq) -  Current - Supply (Max) 350µA ~ 45mA  PSRR -  Control Features Enable, Reset  Protection Features Over Temperature, Reverse Polarity, Short Circuit  Operating Temperature 40°C ~ 150°C  Mounting Type Surface Mount  Package / Case 16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package 16-SOIC		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)45VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output400mACurrent - Quiescent (Iq)-Current - Supply (Max)350μA ~ 45mAPSRR-Control FeaturesEnable, ResetProtection FeaturesOver Temperature, Reverse Polarity, Short CircuitOperating Temperature-40°C ~ 150°CMounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width) Exposed PadSupplier Device Package16-SOIC	Package	16-SOIC (0.295", 7.50mm Width) Exposed Pad	
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Number of Regulators  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  2.5V  Voltage - Output (Max)  Voltage Dropout (Max)  -  Current - Output  400mA  Current - Quiescent (Iq)  -  Current - Supply (Max)  PSRR  -  Control Features  Protection Features  Protection Features  Over Temperature, Reverse Polarity, Short Circuit  Operating Temperature  -40°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package	Output Configuration	Positive	
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  2.5V  Voltage - Output (Max)  - Voltage Dropout (Max)  - Current - Output  400mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  - Control Features  Protection Features  Protection Features  Over Temperature, Reverse Polarity, Short Circuit  Operating Temperature  -40°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package	Output Type	Fixed	
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  -  Voltage Dropout (Max)  -  Current - Output  400mA  Current - Quiescent (Iq)  -  Current - Supply (Max)  PSRR  -  Control Features  Protection Features  Protection Features  Over Temperature, Reverse Polarity, Short Circuit  -40°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package	Number of Regulators	1	
Voltage - Output (Max)  Voltage Dropout (Max)  - Current - Output  400mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  - Control Features  Protection Features  Protection Features  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  - Current - Supply (Max)	Voltage - Input (Max)	45V	
Voltage Dropout (Max)  Current - Output  400mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  - Control Features  Protection Features  Over Temperature, Reverse Polarity, Short Circuit  Operating Temperature  40°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package	Voltage - Output (Min/Fixed)	2.5V	
Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  - Control Features  Protection Features  Over Temperature, Reverse Polarity, Short Circuit  -40°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package	Voltage - Output (Max)	-	
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Current - Supply (Max)  350µA ~ 45mA  PSRR  - Control Features  Enable, Reset  Over Temperature, Reverse Polarity, Short Circuit  -40°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package	Current - Output	400mA	
PSRR  Control Features  Enable, Reset  Protection Features  Over Temperature, Reverse Polarity, Short Circuit  -40°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package	Current - Quiescent (Iq)	-	
Control Features  Protection Features  Over Temperature, Reverse Polarity, Short Circuit  -40°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package	Current - Supply (Max)	350μA ~ 45mA	
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Operating Temperature  -40°C ~ 150°C  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width) Exposed Pad  Supplier Device Package  16-SOIC	Control Features	Enable, Reset	
Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Exposed Pad Supplier Device Package 16-SOIC	Protection Features	Over Temperature, Reverse Polarity, Short Circuit	
Package / Case 16-SOIC (0.295", 7.50mm Width) Exposed Pad Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 150°C	
Supplier Device Package 16-SOIC	Mounting Type	Surface Mount	
	Package / Case	16-SOIC (0.295", 7.50mm Width) Exposed Pad	
Report errors?	Supplier Device Package	16-SOIC	
			Report errors?

#### NCV8503PW25G 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.

# NCV8503PW25G Payment Methods



















### NCV8503PW25G Shipping Methods













If you have any question about NCV8503PW25G, please do not hesitate to contact us!

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