

NCV8161BSN300T1G

NCV8161BSN300T1G Information



For Reference Only

Part Number NCV8161BSN300T1G
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description LDO 450 MA HZ 3.0V **Package** SOT-23-5 Thin, TSOT-23-5

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

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.









NCV8161BSN300T1G Specifications

Manufacturer Part Number NCV8161BSN300T1G Manufacturer ON Semiconductor Category Integrated Circuits (ICs) Package SOT-23-5 Thin, TSOT-23-5 Series Automotive, AEC-Q100 Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5 V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.33 V @ 450mA Current - Output 450mA Current - Supply (Max) 23μA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Over Current, Over Temperature Protection Features Over Current, Over Temperature Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	•	
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package SOT-23-5 Thin, TSOT-23-5 Series Automotive, AEC-Q100 Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5 V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.33 V @ 450mA Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) 23μA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	Manufacturer Part Number	NCV8161BSN300T1G
Package SOT-23-5 Thin, TSOT-23-5 Series Automotive, AEC-Q100 Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.33V @ 450mA Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) 23μA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	Manufacturer	ON Semiconductor
PackageSOT-23-5 Thin, TSOT-23-5SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5 VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.33 V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device Package5-TSOP	Category	Integrated Circuits (ICs)
SeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device Package5-TSOP		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23µAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device Package5-TSOP	Package	SOT-23-5 Thin, TSOT-23-5
Output Type Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) Voltage - Output (Max) - Voltage Dropout (Max) - Voltage Dropout (Max) Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Protection Features Over Current, Over Temperature Operating Temperature Auo°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package	Series	Automotive, AEC-Q100
Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device Package5-TSOP	Output Configuration	Positive
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device Package5-TSOP	Output Type	Fixed
Voltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device Package5-TSOP	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Protection Features Operating Temperature Operating Temperature Ao°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package	Voltage - Input (Max)	5.5V
Voltage Dropout (Max) Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Protection Features Operating Temperature Operating Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package	Voltage - Output (Min/Fixed)	3V
Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) 23μA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	Voltage - Output (Max)	-
Current - Quiescent (Iq) Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package	Voltage Dropout (Max)	0.33V @ 450mA
Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package	Current - Output	450mA
PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	Current - Quiescent (Iq)	-
Control Features Protection Features Over Current, Over Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	Current - Supply (Max)	23μΑ
Protection Features Over Current, Over Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	PSRR	91dB ~ 48dB (100Hz ~ 100kHz)
Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	Control Features	Enable
Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	Protection Features	Over Current, Over Temperature
Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package 5-TSOP	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 5-TSOP	Mounting Type	Surface Mount
	Package / Case	SOT-23-5 Thin, TSOT-23-5
Report errors?	Supplier Device Package	5-TSOP
		Report errors?

NCV8161BSN300T1G 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.

NCV8161BSN300T1G Payment Methods



















NCV8161BSN300T1G Shipping Methods













If you have any question about NCV8161BSN300T1G, please do not hesitate to contact us!

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