



### NCP691MN33T2G Information



For Reference Only

Part Number NCP691MN33T2G

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 3.3V 1A 6DFN

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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## **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.

Package









# NCP691MN33T2G Specifications

Manufacturer Part Number         NCP691MN33T2G           Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           Package         6-VDFN Exposed Pad           Scries         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.25V @ 1A           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         200µA ~ 240µA           PSRR         -           Control Features         Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         6-VDFN Exposed Pad           Supplier Device Package         6-VDFN Exposed Pad		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         6-VDFN Exposed Pad           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.25V @ 1A           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         200μA ~ 240μA           PSRR         -           Control Features         Enable           Protection Features         Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         6-VDFN Exposed Pad           Supplier Device Package         6-DFN (3x3)	Manufacturer Part Number	NCP691MN33T2G
Package         6-VDFN Exposed Pad           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.25V @ 1A           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         200μA ~ 240μA           PSRR         -           Control Features         Enable           Protection Features         Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         6-VDFN Exposed Pad           Supplier Device Package         6-DFN (3x3)	Manufacturer	ON Semiconductor
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Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.25V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)200μA ~ 240μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)		PMIC - Voltage Regulators - Linear
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Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.25V @ 1A           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         200μA ~ 240μA           PSRR         -           Control Features         Enable           Protection Features         Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         6-VDFN Exposed Pad           Supplier Device Package         6-DFN (3x3)	Series	-
Number of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.25V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)200μA ~ 240μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Output Configuration	Positive
Voltage - Input (Max)6VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.25V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)200μA ~ 240μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Output Type	Fixed
Voltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.25V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)200μA ~ 240μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating 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)0.25V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)200μA ~ 240μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Voltage - Input (Max)	6V
Voltage Dropout (Max)  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  - Control Features  Enable  Protection Features  Operating Temperature  Operating Type  Surface Mount  Package / Case  Supplier Device Package  0.25V @ 1A  1A  Current - Output  - Control Features  Enable  Over Temperature, Short Circuit  -40°C ~ 85°C  Surface Mount  6-VDFN Exposed Pad  Supplier Device Package	Voltage - Output (Min/Fixed)	3.3V
Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  - Control Features  Enable  Protection Features  Over Temperature, Short Circuit  Operating Temperature  Au°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  1A  - Control Features  - Control Features  Over Temperature, Short Circuit  - 40°C ~ 85°C  Mounting Type  Surface Mount  6-VDFN Exposed Pad  Supplier Device Package	Voltage - Output (Max)	-
Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  - Control Features  Enable  Protection Features  Over Temperature, Short Circuit  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  6-VDFN Exposed Pad  Supplier Device Package  6-DFN (3x3)	Voltage Dropout (Max)	0.25V @ 1A
Current - Supply (Max)200μA ~ 240μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Current - Output	1A
PSRR  Control Features  Enable  Protection Features  Over Temperature, Short Circuit  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 Temperature, Short Circuit  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  6-VDFN Exposed Pad  Supplier Device Package  6-DFN (3x3)	Current - Supply (Max)	$200\mu A \sim 240\mu A$
Protection Features Over Temperature, Short Circuit  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $6\text{-VDFN}$ Exposed Pad  Supplier Device Package $6\text{-DFN}$ (3x3)	PSRR	-
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 Temperature, Short Circuit
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?

#### NCP691MN33T2G 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.

### NCP691MN33T2G Payment Methods



















# NCP691MN33T2G Shipping Methods













If you have any question about NCP691MN33T2G, please do not hesitate to contact us!

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