



### NCP605MN28T2G Information



For Reference Only

Part Number NCP605MN28T2G

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 2.8V 500MA 6DFN

Package 6-VDFN Exposed Pad

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.









# NCP605MN28T2G Specifications

Manufacturer Part Number         NCP605MN28T2G           Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           Package         6-VDFN Exposed Pad           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         2.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.24V @ 500mA           Current - Output         500mA           Current - Supply (Max)         180µA           PSRR         -           Control Features         Dover Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         6-VDFN Exposed Pad           Supplier Device Package         6-DFN (3x3)	-	
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)         2.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.24V @ 500mA           Current - Output         500mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         180μA           PSRR         -           Control Features         Enable           Protection Features         Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         6-VDFN Exposed Pad           Supplier Device Package         6-DFN (3x3)	Manufacturer Part Number	NCP605MN28T2G
Package 6-VDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.24V @ 500mA Current - Output Quiescent (Iq) - Current - Supply (Max) 180µA PSRR - Control Features Over Temperature, Short Circuit Operating Temperature 4.0°C ~ 125°C Mounting Type Surface Mount Package / Case 6-DFN (3x3)	Manufacturer	ON Semiconductor
Package         6-VDFN Exposed Pad           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         2.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.24V @ 500mA           Current - Output         500mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         180μA           PSRR         -           Control Features         Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         6-VDFN Exposed Pad           Supplier Device Package         6-DFN (3x3)	Category	Integrated Circuits (ICs)
Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         2.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.24V @ 500mA           Current - Output         500mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         180µA           PSRR         -           Control Features         Enable           Protection Features         Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         6-VDFN Exposed Pad           Supplier Device Package         6-DFN (3x3)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.24V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Package	6-VDFN Exposed Pad
Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         2.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.24V @ 500mA           Current - Output         500mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         180μA           PSRR         -           Control Features         Enable           Protection Features         Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°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)2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.24V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Output Configuration	Positive
Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.24V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Output Type	Fixed
Voltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.24V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Number of Regulators	1
Voltage - Output (Max)-Voltage Dropout (Max)0.24V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Voltage - Input (Max)	6V
Voltage Dropout (Max)  Current - Output  500mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  - Control Features  Enable  Protection Features  Operating Temperature  Operating Type  Surface Mount  Package / Case  Supplier Device Package  0.24V @ 500mA  500mA  - Contmal Feotomia  - Contmal Feo	Voltage - Output (Min/Fixed)	2.8V
Current - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)180μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)180μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Voltage Dropout (Max)	0.24V @ 500mA
Current - Supply (Max)180μAPSRR-Control FeaturesEnableProtection FeaturesOver Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (3x3)	Current - Output	500mA
PSRR - Control Features Enable Protection Features Over Temperature, Short Circuit Operating Temperature -40°C ~ 125°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 ~ 125°C  Mounting Type  Surface Mount  Package / Case  6-VDFN Exposed Pad  Supplier Device Package  6-DFN (3x3)	Current - Supply (Max)	180μΑ
Protection Features Over Temperature, Short Circuit  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $6\text{-VDFN}$ Exposed Pad  Supplier Device Package $6\text{-DFN}$ (3x3)	PSRR	-
Operating Temperature  -40°C ~ 125°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 ~ 125°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?

#### NCP605MN28T2G 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.

## NCP605MN28T2G Payment Methods

































If you have any question about NCP605MN28T2G, please do not hesitate to contact us!

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