

## NCP170BMX120TCG

### NCP170BMX120TCG Information



For Reference Only

Part Number NCP170BMX120TCG
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 1.2V 150MA 4XDFN

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.









# NCP170BMX120TCG Specifications

Manufacturer Part Number         NCP170BMX120TCG           Manufacturer         ON Semiconductor           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)         1.2V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         0.9μA           PSRR         63dB ~ 57dB (1kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         4-XDFN (1x1)	<b>4</b>	
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)         1.2V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         0.9μA           PSRR         63dB ~ 57dB (1kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         4-XDFN Exposed Pad           Supplier Device Package         4-XDFN (1x1)	Manufacturer Part Number	NCP170BMX120TCG
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Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         1.2V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         0.9µA           PSRR         63dB ~ 57dB (1kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         4-XDFN Exposed Pad           Supplier Device Package         4-XDFN (1x1)	Series	-
Number of Regulators       1         Voltage - Input (Max)       5.5V         Voltage - Output (Min/Fixed)       1.2V         Voltage Dropout (Max)       -         Current - Output       150mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       0.9μA         PSRR       63dB ~ 57dB (1kHz)         Control Features       Enable         Protection Features       Over Current, Over Temperature         Operating Temperature       -40°C ~ 85°C (TA)         Mounting Type       Surface Mount         Package / Case       4-XDFN Exposed Pad         Supplier Device Package       4-XDFN (1x1)	Output Configuration	Positive
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  1.2V  Voltage - Output (Max)  - Voltage Dropout (Max)  - Current - Output  150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  63dB ~ 57dB (1kHz)  Control Features  Frotection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  4-XDFN Exposed Pad  Supplier Device Package	Output Type	Fixed
Voltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)0.9μAPSRR63dB ~ 57dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  - Current - Output  150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  63dB ~ 57dB (1kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  4-XDFN Exposed Pad	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)  Current - Output  150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  63dB ~ 57dB (1kHz)  Control Features  Enable  Protection Features  Operating Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  4-XDFN Exposed Pad	Voltage - Output (Min/Fixed)	1.2V
Current - Output 150mA   Current - Quiescent (Iq) -   Current - Supply (Max) 0.9 $\mu$ A   PSRR 63dB ~ 57dB (1kHz)   Control Features Enable   Protection Features Over Current, Over Temperature   Operating Temperature   -40°C ~ 85°C (TA)   Mounting Type Surface Mount   Package / Case   4-XDFN Exposed Pad   Supplier Device Package   4-XDFN (1x1)	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)0.9μAPSRR63dB ~ 57dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Voltage Dropout (Max)	-
Current - Supply (Max)  PSRR  63dB ~ 57dB (1kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  4-XDFN Exposed Pad  Supplier Device Package	Current - Output	150mA
PSRR 63dB ~ 57dB (1kHz)  Control Features Enable  Protection Features Over Current, Over Temperature  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case 4-XDFN Exposed Pad  Supplier Device Package 4-XDFN (1x1)	Current - Quiescent (Iq)	-
Control Features  Protection Features  Over Current, Over Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  4-XDFN Exposed Pad  Supplier Device Package  4-XDFN (1x1)	Current - Supply (Max)	0.9μΑ
Protection Features Over Current, Over Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ Mounting Type Surface Mount $ \text{Package / Case} $ $ 4-\text{XDFN Exposed Pad} $ Supplier Device Package $ 4-\text{XDFN (1x1)} $	PSRR	63dB ~ 57dB (1kHz)
Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  4-XDFN Exposed Pad  Supplier Device Package  4-XDFN (1x1)	Control Features	Enable
Mounting Type Surface Mount  Package / Case 4-XDFN Exposed Pad  Supplier Device Package 4-XDFN (1x1)	Protection Features	Over Current, Over Temperature
Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-XDFN (1x1)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 4-XDFN (1x1)	Mounting Type	Surface Mount
	Package / Case	4-XDFN Exposed Pad
Papart arrors?	Supplier Device Package	4-XDFN (1x1)
Report errors?		Report errors?

#### NCP170BMX120TCG 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.

### NCP170BMX120TCG Payment Methods



















## NCP170BMX120TCG Shipping Methods













If you have any question about NCP170BMX120TCG, please do not hesitate to contact us!

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