

NCP176BMX180TCG

NCP176BMX180TCG Information



For Reference Only

Part Number NCP176BMX180TCG
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

DescriptionIC REG LINEAR 1.8V 500MA 6XDFN**Package**6-XFDFN 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

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NCP176BMX180TCG Specifications

Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 6-XFDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5 V Voltage - Output (Min/Fixed) 1.8 V Voltage - Output (Max) - Voltage Dropout (Max) 0.275 V @ 500mA Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90µA PSRR 75dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount		
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Package 6-XFDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.275V @ 500mA Current - Output Output (Max) 90µA PSRR 75dB (1kHz) Control Features Protection Features Over Current, Over Temperature Operating Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Manufacturer	ON Semiconductor
Package 6-XFDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.275V @ 500mA Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90μA PSRR 75dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Category	Integrated Circuits (ICs)
Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.275V @ 500mA Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90μA PSRR 75dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)		PMIC - Voltage Regulators - Linear
Output Configuration Output Type Fixed Number of Regulators 1 Voltage - Input (Max) Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage - Output (Max) - Voltage Dropout (Max) - Voltage Dropout (Max) - Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90µA PSRR 75dB (1kHz) Control Features Protection Features Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Package	6-XFDFN Exposed Pad
Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.275V @ 500mA Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90μA PSRR 75dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Series	-
Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.275V @ 500mA Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90μA PSRR 75dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Output Configuration	Positive
Voltage - Input (Max) Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 75dB (1kHz) Control Features Frotection Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package	Output Type	Fixed
Voltage - Output (Min/Fixed) Voltage - Output (Max) - Voltage Dropout (Max) Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 75dB (1kHz) Control Features Frotection Features Operating Temperature Operating Type Surface Mount Package / Case Supplier Device Package 1.8V - 1.8V - 1.8V - 1.8V - 0.275V @ 500mA - 500mA - - - - - - - - - - - - -	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 75dB (1kHz) Control Features Enable Protection Features Operating Temperature Operating Type Surface Mount Package / Case Supplier Device Package - United to the store of the store of the surface	Voltage - Input (Max)	5.5V
Voltage Dropout (Max) Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 75dB (1kHz) Control Features Enable Protection Features Operating Temperature Operating Type Surface Mount Package / Case Supplier Device Package 0.275V @ 500mA 500mA - Current - Output 500mA - Current - Quiescent (Iq) - Current - Supply (Max) 90μA 75dB (1kHz) Enable Over Current, Over Temperature -40°C ~ 85°C Surface Mount 6-XFDFN Exposed Pad Supplier Device Package	Voltage - Output (Min/Fixed)	1.8V
Current - Output Current - Quiescent (Iq) Current - Supply (Max) PSRR 75dB (1kHz) Control Features Enable Protection Features Operating Temperature Operating Type Surface Mount Package / Case Supplier Device Package 500mA - Common Supplier Source 500mA - Common Supplier Surface Mount 6-XFDFN Exposed Pad 6-XDFN (1.2x1.2)	Voltage - Output (Max)	-
Current - Quiescent (Iq) Current - Supply (Max) PSRR 75dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Voltage Dropout (Max)	0.275V @ 500mA
Current - Supply (Max)90μAPSRR75dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-XFDFN Exposed PadSupplier Device Package6-XDFN (1.2x1.2)	Current - Output	500mA
PSRR Control Features Enable Protection Features Operating Temperature Operating Type Mounting Type Surface Mount Package / Case Supplier Device Package 75dB (1kHz) Enable Over Current, Over Temperature -40°C ~ 85°C Surface Mount 6-XFDFN Exposed Pad 6-XFDFN (1.2x1.2)	Current - Quiescent (Iq)	-
Control Features Enable Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Current - Supply (Max)	90μΑ
Protection Features Over Current, Over Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $6\text{-XFDFN Exposed Pad}$ Supplier Device Package $6\text{-XDFN } (1.2\text{x}1.2)$	PSRR	75dB (1kHz)
Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Control Features	Enable
Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Protection Features	Over Current, Over Temperature
Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 6-XDFN (1.2x1.2)	Mounting Type	Surface Mount
**	Package / Case	6-XFDFN Exposed Pad
Report errors?	Supplier Device Package	6-XDFN (1.2x1.2)
		Report errors?

NCP176BMX180TCG 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.

NCP176BMX180TCG Payment Methods



















NCP176BMX180TCG Shipping Methods













If you have any question about NCP176BMX180TCG, please do not hesitate to contact us!

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