

NCP177AMX180TCG

NCP177AMX180TCG Information



For Reference Only

Part Number	NCP177AMX180TCG	
Manufacturer	ON Semiconductor	
Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear	
Description	IC REG LINEAR 1.8V 500MA 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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NCP177AMX180TCG Specifications

Manufacturer ON Semiconductor Category Integrated Circuits (ICs) Package 4-XDFN Exposed Pad 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) 1.8V Voltage - Output (Max) - Voltage - Output (Max) 0.285V @ 500mA Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90µA PSRR TodB (IkHz) Control Features Finable Protection Features Over Current, Over Temperature Operating Temperature 40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 4.2DFN Exposed Pad		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - LinearPackage4-XDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Doupout (Max)0.285V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90µAPSRR75dB (1kHz)Control FeaturesOver Current, Over TemperatureProtection FeaturesOver Current, Over TemperatureOperating Temperature4.0°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4.XDFN Exposed PadSupplier Device Package4.XDFN Exposed Pad	Manufacturer Part Number	NCP177AMX180TCG
PMIC - Voltage Regulators - LinearPackage4-XDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage - Output (Max)0.285V @ 500mACurrent - Output500mACurrent - Output90µACurrent - Supply (Max)90µAPSRR75dB (1Hz)Control FeaturesOver Current, Over TemperatureProtection FeaturesOver Current, Over TemperatureOperating Temperature4-XDFN Exposed PadPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN Exposed Pad	Manufacturer	ON Semiconductor
Package4-XDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.285V @ 500mACurrent - Output90µACurrent - Quiescent (Iq)90µACurrent - Supply (Max)90µAPSRR75dB (1Hz)Control FeaturesFinableProtection FeaturesOver Current, Over TemperatureOperating Temperature4-XDFN Exposed PadPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage - Output (Max)0.285V @ 500mACurrent - Output500mACurrent - Output500mACurrent - Supply (Max)90µAPSRR75dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature4.0°C ~ 85°C (TA)Mounting Type4.2XDFN Exposed PadSupplier Device Package4.2XDFN (1x1)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage - Output (Max)0.285V @ 500mACurrent - Output500mACurrent - Output90µACurrent - Supply (Max)90µAPSRR75dB (1kHz)Control FeaturesOver Current, Over TemperatureOperating TemperatureOver Current, Over TemperatureOperating TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Package	4-XDFN Exposed Pad
Output TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.285V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90µAPSRR75dB (1kHz)Control FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Series	-
Number of Regulators1Number of Regulators5.5VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.285V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90µAPSRR75dB (1kHz)Control FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Output Configuration	Positive
Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.285V @ 500mA Current - Output 500mA Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90µA PSRR 75dB (1kHz) Control 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 Type	Fixed
Voltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.285V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90μAPSRR75dB (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)0.285V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90μAPSRR75dB (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 - Input (Max)	5.5V
Voltage Dropout (Max)0.285V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90μAPSRR75dB (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 - Output (Min/Fixed)	1.8V
Current - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90μAPSRR75dB (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 - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)90μAPSRR75dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed Pad	Voltage Dropout (Max)	0.285V @ 500mA
Current - Supply (Max)90μAPSRR75dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Current - Output	500mA
PSRR75dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Current - Quiescent (Iq)	-
Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Current - Supply (Max)	90μΑ
Protection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	PSRR	75dB (1kHz)
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Control Features	Enable
Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-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
Report errors?	Supplier Device Package	4-XDFN (1x1)
		Report errors?

NCP177AMX180TCG 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.

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