

NCP176AMX100TCG

NCP176AMX100TCG Information



For Reference Only

Part Number NCP176AMX100TCG
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LINEAR 1V 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

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.

Description









NCP176AMX100TCG Specifications

Manufacturer Part Number NCP176AMX100TCG Manufacturer ON Semiconductor 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) 5.5V Voltage - Output (Min/Fixed) 1V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90μA PSRR 75dB (IkHz)		
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) Voltage - Output (Min/Fixed) 1V Voltage - Output (Max) Voltage Dropout (Max) - Current - Output Current - Quiescent (Iq) Current - Supply (Max) Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear 6-XFDFN Exposed Pad 1 Voltage Positive 1 1 Voltage - Output (Max) - Voltage - Output (Max) - Current - Output 500mA Current - Supply (Max) 90μA	Manufacturer Part Number	NCP176AMX100TCG
PMIC - Voltage Regulators - Linear 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) 1V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output Current - Quiescent (Iq) Current - Supply (Max) 90μA	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) 1V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 500mA Current - Quiescent (Iq) Current - Supply (Max) 90μA	Category	Integrated Circuits (ICs)
Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90μA		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90μA	Package	6-XFDFN Exposed Pad
Output TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90μA	Series	-
Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)90μA	Output Configuration	Positive
Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage Dropout (Max) - Current - Output Current - Quiescent (Iq) Current - Supply (Max) 5.5V 1V	Output Type	Fixed
Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage Dropout (Max) - Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90μA	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) - Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90μA	Voltage - Input (Max)	5.5V
Voltage Dropout (Max) Current - Output Current - Quiescent (Iq) Current - Supply (Max)	Voltage - Output (Min/Fixed)	1V
Current - Output 500mA Current - Quiescent (Iq) - Current - Supply (Max) 90μA	Voltage - Output (Max)	-
Current - Quiescent (Iq) - Current - Supply (Max) 90μA	Voltage Dropout (Max)	-
Current - Supply (Max) 90µA	Current - Output	500mA
	Current - Quiescent (Iq)	-
PSRR 75dB (1kHz)	Current - Supply (Max)	90μΑ
	PSRR	75dB (1kHz)
Control Features Enable	Control Features	Enable
Protection Features Over Current, Over Temperature	Protection Features	Over Current, Over Temperature
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Operating Temperature	-40°C ~ 85°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 6-XFDFN Exposed Pad	Package / Case	6-XFDFN Exposed Pad
Supplier Device Package 6-XDFN (1.2x1.2)	Supplier Device Package	6-XDFN (1.2x1.2)
Report error		Report errors?

NCP176AMX100TCG 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.

NCP176AMX100TCG Payment Methods



















NCP176AMX100TCG Shipping Methods













If you have any question about NCP176AMX100TCG, please do not hesitate to contact us!

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