

NCP121AMX185TCG

NCP121AMX185TCG Information



For Reference Only

Part Number NCP121AMX185TCG
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 1.85V 150MA 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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NCP121AMX185TCG Specifications

Manufacturer Part Number NCP121AMX185TCG Manufacturer ON Semiconductor Category Integrated Circuits (ICs) 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) 1.85V Voltage - Output (Max) - Voltage Dropout (Max) 0.075V @ 150mA Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	•		
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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) 1.85V Voltage - Output (Max) - Voltage Dropout (Max) 0.075V @ 150mA Current - Output Quiescent (Iq) - Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Manufacturer	ON Semiconductor	
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Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.85V Voltage - Output (Max) - Voltage - Output (Max) 0.075V @ 150mA Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XPDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.85VVoltage - Output (Max)-Voltage Dropout (Max)0.075V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)-PSRR80dB ~ 70dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-XFDFN Exposed PadSupplier Device Package6-XDFN (1.2x1.2)	Package	6-XFDFN Exposed Pad	
Output TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.85VVoltage - Output (Max)-Voltage Dropout (Max)0.075V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)-PSRR80dB ~ 70dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-XFDFN Exposed PadSupplier Device Package6-XDFN (1.2x1.2)	Series	-	
Number of Regulators Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage Dropout (Max) Voltage Dropout (Max) Current - Output 150mA Current - Quiescent (Iq) Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) 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) 1.85V Voltage - Output (Max) Voltage Dropout (Max) - Voltage Dropout (Max) 0.075V @ 150mA Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) 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 Type	Fixed	
Voltage - Output (Min/Fixed) Voltage - Output (Max) - Voltage Dropout (Max) Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Number of Regulators	1	
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 150mA Current - Quiescent (Iq) Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Voltage - Input (Max)	5.5V	
Voltage Dropout (Max) Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Voltage - Output (Min/Fixed)	1.85V	
Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	Voltage - Output (Max)	-	
Current - Quiescent (Iq) Current - Supply (Max) - PSRR 80dB ~ 70dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating 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)	0.075V @ 150mA	
Current - Supply (Max) PSRR 80dB ~ 70dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) 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 - Output	150mA	
PSRR 80dB ~ 70dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) 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 - Quiescent (Iq)	-	
Control Features Enable Over Current, Over Temperature, Under Voltage Lockout (UVLO) 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)	-	
Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-XFDFN Exposed Pad Supplier Device Package 6-XDFN (1.2x1.2)	PSRR	80dB ~ 70dB (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, Under Voltage Lockout (UVLO)	
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?

NCP121AMX185TCG 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.

NCP121AMX185TCG Payment Methods





















NCP121AMX185TCG Shipping Methods













If you have any question about NCP121AMX185TCG, please do not hesitate to contact us!

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