

NCP161BMX180TBG

NCP161BMX180TBG Information



For Reference Only

Part Number NCP161BMX180TBG
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 1.8V 450MA 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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NCP161BMX180TBG Specifications

Manufacturer Part Number NCP161BMX180TBG Manufacturer ON Semiconductor Category Integrated Circuits (ICs) 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) 0.45V @ 450mA Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) 23μA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Surplier Device Package 4-XDFN (Ix1)	*		
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) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.45V @ 450mA Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) 23µA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-XDFN (1x1)	Manufacturer Part Number	NCP161BMX180TBG	
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 Dropout (Max) 0.45V @ 450mA Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) 23µA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-XDFN (1x1)	Manufacturer	ON Semiconductor	
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 Dropout (Max) 0.45V @ 450mA Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) 23µA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-XDFN (1x1)	Category	Integrated Circuits (ICs)	
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) 0.45 V @ 450mA Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) 23 µA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-XDFN (1x1)		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5 VVoltage - Output (Min/Fixed)1.8 VVoltage - Output (Max)-Voltage Dropout (Max)0.45 V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TA)Mounting 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)0.45V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Series	-	
Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.45V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Output Configuration	Positive	
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.45V @ 450mACurrent - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Output Type	Fixed	
Voltage - Output (Min/Fixed) Voltage - Output (Max) - Voltage Dropout (Max) 0.45V @ 450mA Current - Output 450mA Current - Quiescent (Iq) Current - Supply (Max) 23µA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Protection Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package	Number of Regulators	1	
Voltage - Output (Max) Voltage Dropout (Max) 0.45V @ 450mA Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) 23μA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package	Voltage - Input (Max)	5.5V	
Voltage Dropout (Max) Current - Output 450mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Protection Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package	Voltage - Output (Min/Fixed)	1.8V	
Current - Output450mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case4-XDFN Exposed PadSupplier Device Package4-XDFN (1x1)	Voltage - Output (Max)	-	
Current - Quiescent (Iq) Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-XDFN (1x1)	Voltage Dropout (Max)	0.45V @ 450mA	
Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature, Soft Start -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-XDFN (1x1)	Current - Output	450mA	
PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°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, Soft Start -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-XDFN (1x1)	Current - Supply (Max)	23μΑ	
Protection Features Over Current, Over Temperature, Soft Start $ -40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)} $ Mounting Type Surface Mount $ Package / Case $	PSRR	91dB ~ 48dB (100Hz ~ 100kHz)	
Operating Temperature -40°C ~ 125°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, Soft Start	
Package / Case 4-XDFN Exposed Pad Supplier Device Package 4-XDFN (1x1)	Operating Temperature	-40°C ~ 125°C (TA)	
Supplier Device Package 4-XDFN (1x1)	Mounting Type	Surface Mount	
	Package / Case	4-XDFN Exposed Pad	
Depart supplies	Supplier Device Package	4-XDFN (1x1)	
Report errors?			Report errors?

NCP161BMX180TBG 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.

NCP161BMX180TBG Payment Methods



















NCP161BMX180TBG Shipping Methods













If you have any question about NCP161BMX180TBG, please do not hesitate to contact us!

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