



NCP716MT30TBG Information



For Reference Only

Part Number NCP716MT30TBG
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 3V 80MA 6WDFN

Package 6-WDFN 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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NCP716MT30TBG Specifications

Manufacturer Part Number NCP716MT30TBG Manufacturer ON Semiconductor Category Integrated Circuits (ICs) Package 6-WDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 24V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.58V @ 80mA Current - Output 80mA Current - Quiescent (Iq) - Current - Supply (Max) 4.2µA ~ 5.8µA PSRR 58dB (100kHz) Control Features - Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	*		
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 6-WDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 24V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.58V @ 80mA Current - Output 80mA Current - Quiescent (Iq) - Current - Supply (Max) 4.2µA ~ 5.8µA PSRR 58dB (100kHz) Control Features - Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	Manufacturer Part Number	NCP716MT30TBG	
PMIC - Voltage Regulators - LinearPackage6-WDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)24VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.58V @ 80mACurrent - Output80mACurrent - Quiescent (Iq)-Current - Supply (Max)4.2μA ~ 5.8μAPSRR58dB (100kHz)Control Features-Protection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-WDFN Exposed PadSupplier Device Package6-WDFN Exposed Pad	Manufacturer	ON Semiconductor	
Package 6-WDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 24V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.58V @ 80mA Current - Output 80mA Current - Quiescent (Iq) - Current - Supply (Max) 4.2μA ~ 5.8μA PSRR 58dB (100kHz) Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	Category	Integrated Circuits (ICs)	
Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 24V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.58V @ 80mA Current - Output 80mA Current - Quiescent (Iq) - Current - Supply (Max) 4.2µA ~ 5.8µA PSRR 58dB (100kHz) Control Features - Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)		PMIC - Voltage Regulators - Linear	
Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 24V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.58V @ 80mA Current - Output 80mA Current - Quiescent (Iq) - Current - Supply (Max) 4.2µA ~ 5.8µA PSRR 58dB (100kHz) Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	Package	6-WDFN Exposed Pad	
Output TypeFixedNumber of Regulators1Voltage - Input (Max)24VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.58V @ 80mACurrent - Output80mACurrent - Quiescent (Iq)-Current - Supply (Max)4.2μA ~ 5.8μAPSRR58dB (100kHz)Control Features-Protection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-WDFN Exposed PadSupplier Device Package6-WDFN (2x2)	Series	-	
Number of Regulators Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage Dropout (Max) Voltage Dropout (Max) Current - Output 80mA Current - Quiescent (Iq) Current - Supply (Max) 4.2µA ~ 5.8µA PSRR 58dB (100kHz) Control Features Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature 4.0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package	Output Configuration	Positive	
Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) Voltage Dropout (Max) Voltage Dropout (Max) 0.58V @ 80mA Current - Output 80mA Current - Quiescent (Iq) - Current - Supply (Max) 4.2µA ~ 5.8µA PSRR 58dB (100kHz) Control Features - Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	Output Type	Fixed	
Voltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.58V @ 80mACurrent - Output80mACurrent - Quiescent (Iq)-Current - Supply (Max)4.2μA ~ 5.8μAPSRR58dB (100kHz)Control Features-Protection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-WDFN Exposed PadSupplier Device Package6-WDFN (2x2)	Number of Regulators	1	
Voltage - Output (Max) Voltage Dropout (Max) 0.58V @ 80mA Current - Output 80mA Current - Quiescent (Iq) - Current - Supply (Max) 4.2μA ~ 5.8μA PSRR 58dB (100kHz) Control Features - Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature 4.0°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package	Voltage - Input (Max)	24V	
Voltage Dropout (Max) $0.58V @ 80mA$ Current - Output $80mA$ Current - Quiescent (Iq) - Current - Supply (Max) $4.2\mu A \sim 5.8\mu A$ PSRR $58dB (100kHz)$ Control Features - Voer Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TJ) Mounting Type Surface Mount Package / Case $6-WDFN$ Exposed Pad $5-WDFN$ Exposed Pad $5-WDFN$ (2x2)	Voltage - Output (Min/Fixed)	3V	
Current - Output80mACurrent - Quiescent (Iq)-Current - Supply (Max)4.2μA ~ 5.8μAPSRR58dB (100kHz)Control Features-Protection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-WDFN Exposed PadSupplier Device Package6-WDFN (2x2)	Voltage - Output (Max)	-	
Current - Quiescent (Iq) -	Voltage Dropout (Max)	0.58V @ 80mA	
Current - Supply (Max) $4.2\mu A \sim 5.8\mu A$ PSRR $58dB (100kHz)$ Control Features - Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature $-40^{\circ}C \sim 125^{\circ}C (TJ)$ Mounting Type Surface Mount Package / Case 6 -WDFN Exposed Pad Supplier Device Package 6 -WDFN (2x2)	Current - Output	80mA	
PSRR 58dB (100kHz) Control Features - Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	Current - Quiescent (Iq)	-	
Control Features - Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	Current - Supply (Max)	$4.2\mu A \sim 5.8\mu A$	
Protection Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	PSRR	58dB (100kHz)	
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	Control Features	-	
Mounting Type Surface Mount Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	Protection Features	Over Current, Over Temperature, Under Voltage Lockout (UVLO)	
Package / Case 6-WDFN Exposed Pad Supplier Device Package 6-WDFN (2x2)	Operating Temperature	-40°C ~ 125°C (TJ)	
Supplier Device Package 6-WDFN (2x2)	Mounting Type	Surface Mount	
	Package / Case	6-WDFN Exposed Pad	
Report errors?	Supplier Device Package	6-WDFN (2x2)	
			Report errors?

NCP716MT30TBG 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.

NCP716MT30TBG Payment Methods



















NCP716MT30TBG Shipping Methods













If you have any question about NCP716MT30TBG, please do not hesitate to contact us!

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