



NCP508MT18TBG Information



For Reference Only

Part Number NCP508MT18TBG
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 1.8V 50MA 6WDFN

Package 6-WFDFN

For the pricing/inventory/lead time, please contact

us

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



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NCP508MT18TBG Specifications

Manufacturer Part Number NCP508MT18TBG Manufacturer ON Semiconductor Category Integrated Circuits (ICs) Package 6-WFDFN Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 7V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.18V @ 50mA (Typ) Current - Output 50mA Current - Quiescent (Iq) - Current - Supply (Max) 1µA ~ 1.9mA PSRR 70dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature 4.0°C ~ 85°C Mounting Type Surface Mount Package / Case 6-WFDFN Supplier Device Package 6-WDFN (1.5x1.5)		
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Voltage - Input (Max)7VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 50mA (Typ)Current - Output50mACurrent - Quiescent (Iq)-Current - Supply (Max)1μA ~ 1.9mAPSRR70dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-WFDFNSupplier Device Package6-WDFN (1.5x1.5)	Output Type	Fixed
Voltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.18V @ 50mA (Typ)Current - Output50mACurrent - Quiescent (Iq)-Current - Supply (Max)1μA ~ 1.9mAPSRR70dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-WFDFNSupplier Device Package6-WFDFN (1.5x1.5)	Number of Regulators	1
Voltage - Output (Max)-Voltage Dropout (Max)0.18V @ 50mA (Typ)Current - Output50mACurrent - Quiescent (Iq)-Current - Supply (Max)1μA ~ 1.9mAPSRR70dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-WFDFNSupplier Device Package6-WDFN (1.5x1.5)	Voltage - Input (Max)	7V
Voltage Dropout (Max)0.18V @ 50mA (Typ)Current - Output50mACurrent - Quiescent (Iq)-Current - Supply (Max)1μA ~ 1.9mAPSRR70dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-WFDFNSupplier Device Package6-WDFN (1.5x1.5)	Voltage - Output (Min/Fixed)	1.8V
Current - Output50mACurrent - Quiescent (Iq)-Current - Supply (Max)1μA ~ 1.9mAPSRR70dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case6-WFDFNSupplier Device Package6-WDFN (1.5x1.5)	Voltage - Output (Max)	-
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Voltage Dropout (Max)	0.18V @ 50mA (Typ)
Current - Supply (Max) $1\mu A \sim 1.9 mA$ $PSRR \qquad 70 dB (1kHz)$ $Control Features \qquad Enable$ $Protection Features \qquad Over Current, Over Temperature$ $Operating Temperature \qquad -40^{\circ}C \sim 85^{\circ}C$ $Mounting Type \qquad Surface Mount$ $Package / Case \qquad 6-WFDFN$ $Supplier Device Package \qquad 6-WDFN (1.5x1.5)$	Current - Output	50mA
PSRR 70dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-WFDFN Supplier Device Package 6-WDFN (1.5x1.5)	Current - Quiescent (Iq)	-
Control Features Enable Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 6-WFDFN Supplier Device Package 6-WDFN (1.5x1.5)	Current - Supply (Max)	1μ A ~ 1.9 mA
Protection Features Over Current, Over Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount $Package / Case \qquad 6-WFDFN$ Supplier Device Package $6-WDFN \ (1.5x1.5)$	PSRR	70dB (1kHz)
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 6-WFDFN Supplier Device Package 6-WDFN (1.5x1.5)	Control Features	Enable
Mounting Type Surface Mount Package / Case 6-WFDFN Supplier Device Package 6-WDFN (1.5x1.5)	Protection Features	Over Current, Over Temperature
Package / Case 6-WFDFN Supplier Device Package 6-WDFN (1.5x1.5)	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 6-WDFN (1.5x1.5)	Mounting Type	Surface Mount
••	Package / Case	6-WFDFN
Report errors?	Supplier Device Package	6-WDFN (1.5x1.5)
		Report errors

NCP508MT18TBG 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.

NCP508MT18TBG Payment Methods



















NCP508MT18TBG Shipping Methods













If you have any question about NCP508MT18TBG, please do not hesitate to contact us!

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