



## NCP502SQ28T1 Information



For Reference Only

Part Number NCP502SQ28T1

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 2.8V 80MA SC88A

Package 5-TSSOP, SC-70-5, SOT-353

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.









## NCP502SQ28T1 Specifications

Manufacturer Part Number         NCP502SQ28T1           Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           Package         5-TSSOP, SC-70-5, SOT-353           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         12V           Voltage - Output (Min/Fixed)         2.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         1.3V @ 80mA           Current - Output         80mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         1μA ~ 90μA           PSRR         55dB (1kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         5-TSSOP, SC-70-5, SOT-353		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         5-TSSOP, SC-70-5, SOT-353           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         12V           Voltage - Output (Min/Fixed)         2.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         1.3V @ 80mA           Current - Output         80mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         1μA ~ 90μA           PSRR         55dB (1kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         5-TSSOP, SC-70-5, SOT-353	Manufacturer Part Number	NCP502SQ28T1
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Output TypeFixedNumber of Regulators1Voltage - Input (Max)12VVoltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 80mACurrent - Output80mACurrent - Quiescent (Iq)-Current - Supply (Max)1μA ~ 90μAPSRR55dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353	Series	-
Number of Regulators         1           Voltage - Input (Max)         12V           Voltage - Output (Min/Fixed)         2.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         1.3V @ 80mA           Current - Output         80mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         1μA ~ 90μA           PSRR         55dB (1kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         5-TSSOP, SC-70-5, SOT-353	Output Configuration	Positive
Voltage - Input (Max) $12V$ Voltage - Output (Min/Fixed) $2.8V$ Voltage - Output (Max)-Voltage Dropout (Max) $1.3V @ 80mA$ Current - Output $80mA$ Current - Quiescent (Iq)-Current - Supply (Max) $1\mu A \sim 90\mu A$ PSRR $55dB (1kHz)$ Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting TypeSurface MountPackage / Case $5-TSSOP, SC-70-5, SOT-353$	Output Type	Fixed
Voltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 80mACurrent - Output80mACurrent - Quiescent (Iq)-Current - Supply (Max)1μA ~ 90μAPSRR55dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353	Number of Regulators	1
Voltage - Output (Max) - 1.3V @ 80mA    Current - Output 80mA    Current - Quiescent (Iq) -    Current - Supply (Max) $1\mu \sim 90\mu A$ PSRR 55dB (1kHz)    Control Features Enable    Protection Features Over Current, Over Temperature    Operating Temperature    Mounting Type Surface Mount    Package / Case 5-TSSOP, SC-70-5, SOT-353	Voltage - Input (Max)	12V
Voltage Dropout (Max) 1.3V @ 80mA   Current - Output 80mA   Current - Quiescent (Iq) -   Current - Supply (Max) 1 $\mu$ A ~ 90 $\mu$ A   PSRR 55dB (1kHz)   Control Features Enable   Protection Features Over Current, Over Temperature   Operating Temperature  -40°C ~ 85°C   Mounting Type Surface Mount   Package / Case 5-TSSOP, SC-70-5, SOT-353	Voltage - Output (Min/Fixed)	2.8V
Current - Output 80mA  Current - Quiescent (Iq) -  Current - Supply (Max) $1\mu A \sim 90\mu A$ PSRR 55dB (1kHz)  Control Features Enable  Protection Features Over Current, Over Temperature  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case 5-TSSOP, SC-70-5, SOT-353	Voltage - Output (Max)	-
Current - Quiescent (Iq) -	Voltage Dropout (Max)	1.3V @ 80mA
Current - Supply (Max) $1\mu A \sim 90\mu A$ $PSRR \qquad 55dB (1kHz)$ $Control Features \qquad Enable$ $Protection Features \qquad Over Current, Over Temperature$ $Operating Temperature \qquad -40^{\circ}C \sim 85^{\circ}C$ $Mounting Type \qquad Surface Mount$ $Package / Case \qquad 5-TSSOP, SC-70-5, SOT-353$	Current - Output	80mA
PSRR 55dB (1kHz)  Control Features Enable  Protection Features Over Current, Over Temperature  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 5-TSSOP, SC-70-5, SOT-353	Current - Quiescent (Iq)	-
Control Features Enable  Over Current, Over Temperature  Operating Temperature  -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 5-TSSOP, SC-70-5, SOT-353	Current - Supply (Max)	1μΑ ~ 90μΑ
Protection Features Over Current, Over Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount $\text{Package / Case}$ 5-TSSOP, SC-70-5, SOT-353	PSRR	55dB (1kHz)
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case 5-TSSOP, SC-70-5, SOT-353	Control Features	Enable
Mounting Type Surface Mount Package / Case 5-TSSOP, SC-70-5, SOT-353	Protection Features	Over Current, Over Temperature
Package / Case 5-TSSOP, SC-70-5, SOT-353	Operating Temperature	-40°C ~ 85°C
-	Mounting Type	Surface Mount
Supplier Davide Deckage	Package / Case	5-TSSOP, SC-70-5, SOT-353
Supplier Device Package SC-88A (SC-70-57 SO1-555)	Supplier Device Package	SC-88A (SC-70-5 / SOT-353)
Report errors?		Report errors?

## NCP502SQ28T1 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.

## NCP502SQ28T1 Payment Methods





















## NCP502SQ28T1 Shipping Methods













If you have any question about NCP502SQ28T1, please do not hesitate to contact us!

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