



### MIC5502-1.8YMT-T5 Information

Heisener.com

Part Number MIC5502-1.8YMT-T5
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 1.8V 300MA 4TDFN

Package 4-UDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

For Reference Only

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.









# MIC5502-1.8YMT-T5 Specifications

Manufacturer Part Number         MIC5502-1.8YMT-T5           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         4-UDFN 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)         0.38V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         55μA ~ 65μA           PSRR         60dB (IkHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad           Supplier Device Package         4-TDFN (1x1)		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         4-UDFN 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)         0.38V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         55μA ~ 65μA           PSRR         60dB (1kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad           Supplier Device Package         4-TDFN (1x1)	Manufacturer Part Number	MIC5502-1.8YMT-T5
Package         4-UDFN 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)         0.38V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         55μA ~ 65μA           PSRR         60dB (1kHz)           Control Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad           Supplier Device Package         4-TDFN (1x1)	Manufacturer	Microchip Technology
Package         4-UDFN 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)         0.38V @ 300mA           Current - Output         30mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         55μA ~ 65μA           PSRR         60dB (1kHz)           Control Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad           Supplier Device Package         4-TDFN (1x1)	Category	Integrated Circuits (ICs)
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)         0.38V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         55μA ~ 65μA           PSRR         60dB (1kHz)           Control Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad           Supplier Device Package         4-TDFN (1x1)		PMIC - Voltage Regulators - Linear
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)         0.38 V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         55μA ~ 65μA           PSRR         60dB (1kHz)           Control Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad           Supplier Device Package         4-TDFN (1x1)	Package	4-UDFN Exposed Pad
Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.38V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         55μA ~ 65μA           PSRR         60dB (1kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad           Supplier Device Package         4-TDFN (1x1)	Series	-
Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.38V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)55μA ~ 65μAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UDFN Exposed PadSupplier Device Package4-TDFN (1x1)	Output Configuration	Positive
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.38V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)55μA ~ 65μAPSRR60dB (1kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UDFN Exposed PadSupplier Device Package4-TDFN (1x1)	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  300mA  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  60dB (1kHz)  Control Features  Protection Features  Over Current, Over Temperature  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  1.8V  1.8V  1.8V  1.8V  1.8V  1.8V  1.8V  0.38V @ 300mA  50mA  50mA  60dB (1kHz)  Current - Supply (Max)  55µA ~ 65µA  60dB (1kHz)  Control Features  Over Current, Over Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  4-UDFN Exposed Pad  4-TDFN (1x1)	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  300mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  60dB (1kHz)  Control Features  Protection Features  Operating Temperature  Operating Temperature  Operating Type  Surface Mount  Package / Case  Supplier Device Package  - Output  100.38V @ 300mA  300mA  - Current - Output  60dB (1kHz)  55μA ~ 65μA  60dB (1kHz)  Control Features  Over Current, Over Temperature  -40°C ~ 125°C  Surface Mount  4-UDFN Exposed Pad  Supplier Device Package	Voltage - Input (Max)	5.5V
Voltage Dropout (Max) $0.38V @ 300mA$ Current - Output $300mA$ Current - Quiescent (Iq) - Current - Supply (Max) $55\mu A \sim 65\mu A$ $60dB (1kHz)$ Control Features $60dB (1kHz)$ Control Features $60dB (1kHz)$ Corrent - Supply (Max) $60dB (1kHz)$ Control Features $60dB (1kHz)$ Control Features $60dB (1kHz)$ Control Features $60dB (1kHz)$ Control Features $60dB (1kHz)$ Cover Current, Over Temperature $60dB (1kHz)$ Corrent Features $60dB (1kHz)$ Cover Temperature $60dB (1kHz)$ Co	Voltage - Output (Min/Fixed)	1.8V
Current - Output $300 mA$ Current - Quiescent (Iq)-Current - Supply (Max) $55 \mu A \sim 65 \mu A$ PSRR $60 dB (1kHz)$ Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting TypeSurface MountPackage / Case $4$ -UDFN Exposed PadSupplier Device Package $4$ -TDFN (1x1)	Voltage - Output (Max)	-
$\begin{array}{llll} & - \\ & & \\ & $	Voltage Dropout (Max)	0.38V @ 300mA
Current - Supply (Max) $55\mu A \sim 65\mu A$ $60dB (1kHz)$ $60d$	Current - Output	300mA
PSRR 60dB (1kHz)  Control Features Enable  Protection Features Over Current, Over Temperature  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 4-UDFN Exposed Pad  Supplier Device Package 4-TDFN (1x1)	Current - Quiescent (Iq)	-
Control Features  Protection Features  Over Current, Over Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  4-UDFN Exposed Pad  Supplier Device Package  4-TDFN (1x1)	Current - Supply (Max)	55μΑ ~ 65μΑ
Protection Features Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-TDFN (1x1)	PSRR	60dB (1kHz)
Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 4-UDFN Exposed Pad  Supplier Device Package 4-TDFN (1x1)	Control Features	Enable
Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-TDFN (1x1)	Protection Features	Over Current, Over Temperature
Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-TDFN (1x1)	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 4-TDFN (1x1)	Mounting Type	Surface Mount
	Package / Case	4-UDFN Exposed Pad
Report errors?	Supplier Device Package	4-TDFN (1x1)
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#### MIC5502-1.8YMT-T5 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.

## MIC5502-1.8YMT-T5 Payment Methods



















# MIC5502-1.8YMT-T5 Shipping Methods













If you have any question about MIC5502-1.8YMT-T5, please do not hesitate to contact us!

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