



MIC5503-1.8YMT-TZ Information



For Reference Only

Part Number MIC5503-1.8YMT-TZ
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

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



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MIC5503-1.8YMT-TZ Specifications

Manufacturer Part Number MiC5503-1.8YMT-TZ 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 - Supply (Max) 55μA ~ 65μA PSRR 60dB (IkHz) Control Features 60dB (IkHz) 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 (Ix1)		
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Series-Output ConfigurationPositiveOutput TypeFixedNumber 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)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber 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)	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)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)	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 300mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 60dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature Operating Type Surface Mount Package / Case Supplier Device Package - UDFN Exposed Pad 4-TDFN (1x1)	Voltage - Input (Max)	5.5V
Voltage Dropout (Max) $0.38V @ 300mA$ Current - Output $300mA$ Current - Quiescent (Iq) - Current - Supply (Max) $55\mu A \sim 65\mu A$ PSRR $60dB (1kHz)$ Control Features Enable Protection Features Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount Package / Case 4 -UDFN Exposed Pad Supplier Device Package 4 -TDFN (1x1)	Voltage - Output (Min/Fixed)	1.8V
Current - Output Current - Quiescent (Iq) Current - Supply (Max) PSRR 60dB (1kHz) Control Features Protection Features Operating Temperature Operating Type Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package	Voltage - Output (Max)	-
Current - Quiescent (Iq) - $55\mu A \sim 65\mu A$ PSRR 60dB (1kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 4-UDFN Exposed Pad Supplier Device Package 4-TDFN (1x1)	Voltage Dropout (Max)	0.38V @ 300mA
Current - Supply (Max) $55\mu A \sim 65\mu A$ $60dB (1kHz)$ Control Features Enable Protection Features Over Current, Over Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount Package / Case 4 -UDFN Exposed Pad Supplier Device Package 4 -TDFN (1x1)	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 Enable 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 - Supply (Max)	55μΑ ~ 65μΑ
Protection Features Over Current, Over Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ 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
11	Package / Case	4-UDFN Exposed Pad
Report errors?	Supplier Device Package	4-TDFN (1x1)
		Report errors?

MIC5503-1.8YMT-TZ 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.

MIC5503-1.8YMT-TZ Payment Methods





















MIC5503-1.8YMT-TZ Shipping Methods













If you have any question about MIC5503-1.8YMT-TZ, please do not hesitate to contact us!

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