



MIC5514-1.8YMT-T5 Information

Heisener.com

Part NumberMIC5514-1.8YMT-T5ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 1.8V 300MA 6TDFN

Package 6-UFDFN 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.









MIC5514-1.8YMT-T5 Specifications

Manufacturer Part NumberMIC5514-1.8YMT-T5ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage6-UFDFN Exposed PadSeries-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)-	•	
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 6-UFDFN Exposed Pad Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) Voltage - Output (Max) Voltage Dropout (Max) Current - Output Current - Quiescent (Iq) Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear - 1.8V 0.000000000000000000000000000000000	Manufacturer Part Number	MIC5514-1.8YMT-T5
Package 6-UFDFN 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 Current - Quiescent (Iq) -	Manufacturer	Microchip Technology
Package 6-UFDFN 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 (Quiescent (Iq) -	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 Current - Quiescent (Iq) - Output (Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc.		PMIC - Voltage Regulators - Linear
Output Configuration Output Type Fixed Number of Regulators 1 Voltage - Input (Max) Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) Current - Output Current - Quiescent (Iq) Positive Positive Fixed 1 0.38V	Package	6-UFDFN 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 Current - Quiescent (Iq) -	Series	-
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) -	Output Configuration	Positive
Voltage - Input (Max) Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) Voltage Dropout (Max) Current - Output Current - Quiescent (Iq) 5.5V 1.8V 0.38V @ 300mA	Output Type	Fixed
Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage Dropout (Max) Current - Output Current - Quiescent (Iq) 1.8V	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output Current - Quiescent (Iq)	Voltage - Input (Max)	5.5V
Voltage Dropout (Max) Current - Output Current - Quiescent (Iq) 0.38V @ 300mA	Voltage - Output (Min/Fixed)	1.8V
Current - Output 300mA Current - Quiescent (Iq) -	Voltage - Output (Max)	-
Current - Quiescent (Iq)	Voltage Dropout (Max)	0.38V @ 300mA
-	Current - Output	300mA
	Current - Quiescent (Iq)	-
Current - Supply (Max) $55\mu A \sim 65\mu A$	Current - Supply (Max)	55μΑ ~ 65μΑ
PSRR 65dB (1kHz)	PSRR	65dB (1kHz)
Control Features Enable	Control Features	Enable
Protection Features -	Protection Features	-
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Operating Temperature	-40°C ~ 125°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 6-UFDFN Exposed Pad	Package / Case	6-UFDFN Exposed Pad
Supplier Device Package 6-TDFN (1.6x1.6)	Supplier Device Package	6-TDFN (1.6x1.6)
Report errors?		Report errors?

MIC5514-1.8YMT-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.

MIC5514-1.8YMT-T5 Payment Methods



















MIC5514-1.8YMT-T5 Shipping Methods













If you have any question about MIC5514-1.8YMT-T5, please do not hesitate to contact us!

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