



MIC5305-1.8YML-TR Information



For Reference Only

Part Number MIC5305-1.8YML-TR
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LINEAR 1.8V 150MA 6MLF

Package 6-VQFN Exposed Pad, 6-MLF?

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.

Description









MIC5305-1.8YML-TR Specifications

Manufacturer Part NumberMIC5305-1.8YML-TRManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage6-VQFN Exposed Pad, 6-MLF?Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μAPSRR85dB ~ 65dB (1kHz ~ 10kHz)		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage6-VQFN Exposed Pad, 6-MLF?Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μA	Manufacturer Part Number	MIC5305-1.8YML-TR
PMIC - Voltage Regulators - Linear Package 6-VQFN Exposed Pad, 6-MLF? 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) - Current - Output Current - Quiescent (Iq) - Current - Supply (Max) 150μA	Manufacturer	Microchip Technology
Package 6-VQFN Exposed Pad, 6-MLF? 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) - Current - Output (Max) 150mA Current - Supply (Max) 150µA	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) - Current - Output 150mA Current - Quiescent (Iq) - I50µA		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μA	Package	6-VQFN Exposed Pad, 6-MLF?
Output TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μA	Series	-
Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μA	Output Configuration	Positive
Voltage - Input (Max) Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 150µA	Output Type	Fixed
Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage Dropout (Max) - Current - Output Current - Quiescent (Iq) Current - Supply (Max) 150µA	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) - Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 150µA	Voltage - Input (Max)	5.5V
Voltage Dropout (Max) Current - Output 150mA Current - Quiescent (Iq) Current - Supply (Max) 150µA	Voltage - Output (Min/Fixed)	1.8V
Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 150µA	Voltage - Output (Max)	-
Current - Quiescent (Iq) - Current - Supply (Max) 150µA	Voltage Dropout (Max)	-
Current - Supply (Max) 150µA	Current - Output	150mA
	Current - Quiescent (Iq)	-
PSRR $85dB \sim 65dB (1kHz \sim 10kHz)$	Current - Supply (Max)	150μΑ
	PSRR	85dB ~ 65dB (1kHz ~ 10kHz)
Control Features Enable	Control Features	Enable
Protection Features Over Current, Over Temperature	Protection Features	Over Current, Over Temperature
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-VQFN Exposed Pad, 6-MLF?	Package / Case	6-VQFN Exposed Pad, 6-MLF?
Supplier Device Package 6-MLF? (2x2)	Supplier Device Package	6-MLF? (2x2)
Report errors?		Report errors?

MIC5305-1.8YML-TR 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.

MIC5305-1.8YML-TR Payment Methods



















MIC5305-1.8YML-TR Shipping Methods













If you have any question about MIC5305-1.8YML-TR, please do not hesitate to contact us!

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