

# **MIC5319-2.5BML-TR**

#### MIC5319-2.5BML-TR Information



For Reference Only

Part Number MIC5319-2.5BML-TR
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LINEAR 2.5V 500MA 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** 









## MIC5319-2.5BML-TR Specifications

Manufacturer Part Number         MiC5319-2.5BML-TR           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           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)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.4V @ 500mA           Current - Output         500mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         150µA           PSRR         70dB ~ 60dB (1kHz ~ 10kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         6-VQFN Exposed Pad, 6-MLF?           Supplier Device Package         6-MLF? (2x2)		
Category         Integrated Circuits (ICs)           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)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.4V @ 500mA           Current - Output         500mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         150µA           PSRR         70dB ~ 60dB (1kHz ~ 10kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         6-VQFN Exposed Pad, 6-MLF?           Supplier Device Package         6-MLF? (2x2)	Manufacturer Part Number	MIC5319-2.5BML-TR
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) 2.5V Voltage - Output (Max) - Voltage - Output (Max) - Voltage Dropout (Max) - Voltage Dropout (Max) - Voltage Dropout (Max) 150mA  Current - Output S00mA  Current - Quiescent (Iq) - Current - Supply (Max) 150µA  PSRR 70dB ~ 60dB (1kHz ~ 10kHz)  Control Features Over Current, Over Temperature  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package 6-MLF? (2x2)	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) 2.5V Voltage - Output (Max) - Voltage - Output (Max) - Voltage Dropout (Max) - Voltage Dropout (Max) 0.4V @ 500mA Current - Output S00mA Current - Quiescent (Iq) - Current - Supply (Max) 150µA PSRR 70dB ~ 60dB (1kHz ~ 10kHz) Control Features Protection Features Over Current, Over Temperature Operating Temperature 40°C ~ 125°C Mounting Type Surface Mount Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package 6-MLF? (2x2)	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.4V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)150μAPSRR70dB ~ 60dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VQFN Exposed Pad, 6-MLF?Supplier Device Package6-MLF? (2x2)		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.4V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)150μAPSRR70dB ~ 60dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VQFN Exposed Pad, 6-MLF?Supplier Device Package6-MLF? (2x2)	Package	6-VQFN Exposed Pad, 6-MLF?
Output Type  Number of Regulators  1  Voltage - Input (Max)  5.5V  Voltage - Output (Min/Fixed)  2.5V  Voltage - Output (Max)  -  Voltage Dropout (Max)  0.4V @ 500mA  Current - Output  500mA  Current - Quiescent (Iq)  -  Current - Supply (Max)  150µA  PSRR  70dB ~ 60dB (1kHz ~ 10kHz)  Control Features  Protection Features  Over Current, Over Temperature  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package	Series	-
Number of Regulators  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  500mA  Current - Quiescent (Iq)  - Current - Supply (Max)  150µA  PSRR  70dB ~ 60dB (1kHz ~ 10kHz)  Control Features  Protection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package	Output Configuration	Positive
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.4V @ 500mACurrent - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)150μAPSRR70dB ~ 60dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VQFN Exposed Pad, 6-MLF?Supplier Device Package6-MLF? (2x2)	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  500mA  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  70dB ~ 60dB (1kHz ~ 10kHz)  Control Features  Protection Features  Operating Temperature  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  2.5V  2.5V	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  500mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  70dB ~ 60dB (1kHz ~ 10kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  - MLF? (2x2)	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)  Current - Output  500mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  70dB ~ 60dB (1kHz ~ 10kHz)  Control Features  Protection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  6-WLF? (2x2)	Voltage - Output (Min/Fixed)	2.5V
Current - Output 500mA  Current - Quiescent (Iq) -  Current - Supply (Max) 150µA  PSRR 70dB ~ 60dB (1kHz ~ 10kHz)  Control Features Enable  Protection Features Over Current, Over Temperature  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package 6-MLF? (2x2)	Voltage - Output (Max)	-
Current - Quiescent (Iq)  Current - Supply (Max)  150μA  70dB ~ 60dB (1kHz ~ 10kHz)  Control Features  Enable  Protection Features  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package	Voltage Dropout (Max)	0.4V @ 500mA
Current - Supply (Max)  PSRR  70dB ~ 60dB (1kHz ~ 10kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package	Current - Output	500mA
PSRR 70dB ~ 60dB (1kHz ~ 10kHz)  Control Features Enable  Protection Features Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package 6-MLF? (2x2)	Current - Quiescent (Iq)	-
Control Features  Protection Features  Over Current, Over Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package  6-MLF? (2x2)	Current - Supply (Max)	150μΑ
Protection Features Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package 6-MLF? (2x2)	PSRR	70dB ~ 60dB (1kHz ~ 10kHz)
Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package  6-MLF? (2x2)	Control Features	Enable
Mounting Type Surface Mount Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package 6-MLF? (2x2)	Protection Features	Over Current, Over Temperature
Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package 6-MLF? (2x2)	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 6-MLF? (2x2)	Mounting Type	Surface Mount
	Package / Case	6-VQFN Exposed Pad, 6-MLF?
Report errors?	Supplier Device Package	6-MLF? (2x2)
		Report errors?

#### MIC5319-2.5BML-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.

### MIC5319-2.5BML-TR Payment Methods



















#### MIC5319-2.5BML-TR Shipping Methods













If you have any question about MIC5319-2.5BML-TR, please do not hesitate to contact us!

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