



#### MIC5232-1.8YML-TR Information



For Reference Only

Part Number MIC5232-1.8YML-TR Manufacturer Microchip Technology Integrated Circuits (ICs) Category

PMIC - Voltage Regulators - Linear **Description** IC REG LINEAR 1.8V 10MA 6MLF 6-VQFN Exposed Pad, 6-MLF?

For the pricing/inventory/lead time, please contact

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.

Package









# MIC5232-1.8YML-TR Specifications

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)         7V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.3V @ 10mA           Current - Output         10mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         3μA           PSRR         55dB ~ 35dB (10Hz ~ 1kHz)           Control Features         Enable           Protection Features         Reverse Polarity           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount		
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)         7V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.3V @ 10mA           Current - Output         10mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         3µA           PSRR         55dB ~ 35dB (10Hz ~ 1kHz)           Control Features         Enable           Protection Features         Reverse Polarity           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	MIC5232-1.8YML-TR
Package 6-VQFN Exposed Pad, 6-MLF?  Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 7V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) - Voltage Dropout (Max) - Voltage Dropout (Max) - Surrent - Output (Juma) - Current - Quiescent (Iq) - Current - Supply (Max) 3µA PSRR 55dB ~ 35dB (10Hz ~ 1kHz) Control Features Enable Protection Features Reverse Polarity 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)         7V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.3V @ 10mA           Current - Output         10mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         3µA           PSRR         55dB ~ 35dB (10Hz ~ 1kHz)           Control Features         Enable           Protection Features         Reverse Polarity           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 Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 7V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Min/Fixed) - Output (Max) - Voltage Dropout (Max) 0.3V @ 10mA Current - Output 10mA Current - Quiescent (Iq) - Current - Supply (Max) 3µA PSRR 55dB ~ 35dB (10Hz ~ 1kHz) Control Features Enable Protection Features Reverse Polarity Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)7VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.3V @ 10mACurrent - Output10mACurrent - Quiescent (Iq)-Current - Supply (Max)3μAPSRR55dB ~ 35dB (10Hz ~ 1kHz)Control FeaturesEnableProtection FeaturesReverse PolarityOperating 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 Fixed  Number of Regulators 1  Voltage - Input (Max) 7V  Voltage - Output (Min/Fixed) 1.8V  Voltage - Output (Max) -  Voltage Dropout (Max) 0.3V @ 10mA  Current - Output 10mA  Current - Quiescent (Iq) -  Current - Supply (Max) 3µA  PSRR 55dB ~ 35dB (10Hz ~ 1kHz)  Control Features Enable  Protection Features Reverse Polarity  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package 6-MLF? (2x2)	Series	-
Number of Regulators       1         Voltage - Input (Max)       7V         Voltage - Output (Min/Fixed)       1.8V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.3V @ 10mA         Current - Output       10mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       3μA         PSRR       55dB ~ 35dB (10Hz ~ 1kHz)         Control Features       Enable         Protection Features       Reverse Polarity         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount         Package / Case       6-VQFN Exposed Pad, 6-MLF?         Supplier Device Package       6-MLF? (2x2)	Output Configuration	Positive
Voltage - Input (Max)7VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.3V @ 10mACurrent - Output10mACurrent - Quiescent (Iq)-Current - Supply (Max)3μAPSRR55dB ~ 35dB (10Hz ~ 1kHz)Control FeaturesEnableProtection FeaturesReverse PolarityOperating 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  10mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  55dB ~ 35dB (10Hz ~ 1kHz)  Control Features  Protection Features  Reverse Polarity  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  6-MLF? (2x2)	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  10mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  55dB ~ 35dB (10Hz ~ 1kHz)  Control Features  Enable  Protection Features  Reverse Polarity  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  - USY 0.3V @ 10mA  10mA  - Current - Quiescent (Iq)  - Current - Quiescent (Iq)  - Current - Quiescent (Iq)  - Current - Supply (Max)  - Current - Quiescent (Iq)  - Current - Q	Voltage - Input (Max)	7V
Voltage Dropout (Max)  Current - Output  10mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  55dB ~ 35dB (10Hz ~ 1kHz)  Control Features  Enable  Protection Features  Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  5-VQFN Exposed Pad, 6-MLF?  Supplier Device Package	Voltage - Output (Min/Fixed)	1.8V
Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  55dB ~ 35dB (10Hz ~ 1kHz)  Control Features  Enable  Protection Features  Reverse Polarity  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package	Voltage - Output (Max)	-
Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  55dB ~ 35dB (10Hz ~ 1kHz)  Control Features  Enable  Protection Features  Reverse Polarity  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 Dropout (Max)	0.3V @ 10mA
Current - Supply (Max)3μAPSRR55dB ~ 35dB (10Hz ~ 1kHz)Control FeaturesEnableProtection FeaturesReverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-VQFN Exposed Pad, 6-MLF?Supplier Device Package6-MLF? (2x2)	Current - Output	10mA
PSRR 55dB ~ 35dB (10Hz ~ 1kHz)  Control Features Enable  Protection Features Reverse Polarity  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  Enable  Reverse Polarity  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 - Supply (Max)	3μΑ
Protection Features Reverse Polarity  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $6\text{-VQFN}$ Exposed Pad, $6\text{-MLF}$ ?  Supplier Device Package $6\text{-MLF}$ ?	PSRR	55dB ~ 35dB (10Hz ~ 1kHz)
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	Reverse Polarity
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

#### MIC5232-1.8YML-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.

### MIC5232-1.8YML-TR Payment Methods





















## MIC5232-1.8YML-TR Shipping Methods













If you have any question about MIC5232-1.8YML-TR, please do not hesitate to contact us!

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