



### MIC68400-2.5YML-TR Information



For Reference Only

Part Number MIC68400-2.5YML-TR
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 2.5V 3A 16MLF **Package** 16-VQFN Exposed Pad, 16-MLF?

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **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.









## MIC68400-2.5YML-TR Specifications

Manufacturer  Category  Integrated Circuits (ICs)  PMIC - Voltage Regulators - Linear  Package  16-VQFN Exposed Pad, 16-MLF?  Series  - Output Configuration  Positive  Output Type  Fixed  Number of Regulators  1  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  2.5V or Tracking  Voltage - Output (Max)  - Voltage Dropout (Max)  0.5V @ 3A  Current - Output  2.5V @ 3A  Current - Quiescent (Iq)  Current - Supply (Max)  130mA  PSRR  - Control Features  Enable, Power On Reset, Power Sequencing  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         16-VQFN Exposed Pad, 16-MLF?           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         2.5V or Tracking           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.5V @ 3A           Current - Output         3A           Current - Quiescent (Iq)         -           Current - Supply (Max)         130mA           PSRR         -           Control Features         Enable, Power On Reset, Power Sequencing           Protection Features         Over Current, Over Temperature, Reverse Polarity           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount	Manufacturer Part Number	MIC68400-2.5YML-TR
Package 16-VQFN Exposed Pad, 16-MLF?  Series - Output Configuration Positive Output Type Fixed  Number of Regulators 1 Voltage - Input (Max) 5.5V  Voltage - Output (Min/Fixed) 2.5V or Tracking  Voltage - Output (Max) .  Voltage Dropout (Max) .  Voltage Dropout (Max) .  Current - Output  3A  Current - Quiescent (Iq) .  Current - Supply (Max)  130mA  PSRR .  Control Features  Enable, Power On Reset, Power Sequencing  Protection Features  Over Current, Over Temperature, Reverse Polarity Operating Temperature .40°C ~ 125°C  Mounting Type Surface Mount	Manufacturer	Microchip Technology
Package 16-VQFN Exposed Pad, 16-MLF?  Series - Output Configuration Positive Output Type Fixed  Number of Regulators 1 Voltage - Input (Max) 5.5V  Voltage - Output (Min/Fixed) 2.5V or Tracking  Voltage - Output (Max) - Voltage Dropout (Max) 0.5V @ 3A  Current - Output 3A  Current - Quiescent (Iq) - Current - Supply (Max) 130mA  PSRR - Control Features Enable, Power On Reset, Power Sequencing  Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.5V or TrackingVoltage - Output (Max)-Voltage Dropout (Max)0.5V @ 3ACurrent - Output3ACurrent - Quiescent (Iq)-Current - Supply (Max)130mAPSRR-Control FeaturesEnable, Power On Reset, Power SequencingProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.5V or TrackingVoltage - Output (Max)-Voltage Dropout (Max)0.5V @ 3ACurrent - Output3ACurrent - Quiescent (Iq)-Current - Supply (Max)130mAPSRR-Control FeaturesEnable, Power On Reset, Power SequencingProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount	Package	16-VQFN Exposed Pad, 16-MLF?
Output TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.5V or TrackingVoltage - Output (Max)-Voltage Dropout (Max)0.5V @ 3ACurrent - Output3ACurrent - Quiescent (Iq)-Current - Supply (Max)130mAPSRR-Control FeaturesEnable, Power On Reset, Power SequencingProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount	Series	-
Number of Regulators  Voltage - Input (Max)  5.5V  Voltage - Output (Min/Fixed)  2.5V or Tracking  Voltage - Output (Max)  -  Voltage Dropout (Max)  0.5V @ 3A  Current - Output  3A  Current - Quiescent (Iq)  -  Current - Supply (Max)  130mA  PSRR  -  Control Features  Enable, Power On Reset, Power Sequencing  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount	Output Configuration	Positive
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  2.5V or Tracking  Voltage - Output (Max)  -  Voltage Dropout (Max)  Current - Output  3A  Current - Quiescent (Iq)  -  Current - Supply (Max)  PSRR  -  Control Features  Enable, Power On Reset, Power Sequencing  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount	Output Type	Fixed
Voltage - Output (Min/Fixed)2.5V or TrackingVoltage - Output (Max)-Voltage Dropout (Max)0.5V @ 3ACurrent - Output3ACurrent - Quiescent (Iq)-Current - Supply (Max)130mAPSRR-Control FeaturesEnable, Power On Reset, Power SequencingProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  0.5V @ 3A  Current - Output  3A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  - Control Features  Enable, Power On Reset, Power Sequencing  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)  Current - Output  3A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  - Control Features  Enable, Power On Reset, Power Sequencing  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount	Voltage - Output (Min/Fixed)	2.5V or Tracking
Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  -  Control Features  Enable, Power On Reset, Power Sequencing  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount	Voltage - Output (Max)	-
Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  - Control Features  Enable, Power On Reset, Power Sequencing  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount	Voltage Dropout (Max)	0.5V @ 3A
Current - Supply (Max)  PSRR  - Control Features  Enable, Power On Reset, Power Sequencing  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount	Current - Output	3A
PSRR - Control Features Enable, Power On Reset, Power Sequencing Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount	Current - Quiescent (Iq)	-
Control Features Enable, Power On Reset, Power Sequencing Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount	Current - Supply (Max)	130mA
Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount	PSRR	-
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount	Control Features	Enable, Power On Reset, Power Sequencing
Mounting Type Surface Mount	Protection Features	Over Current, Over Temperature, Reverse Polarity
C 71	Operating Temperature	-40°C ~ 125°C
Package / Case 16-VOEN Exposed Pad 16-MLE?	Mounting Type	Surface Mount
Tuckage / Case To Yelly Exposed Fad, To Hill ?	Package / Case	16-VQFN Exposed Pad, 16-MLF?
Supplier Device Package 16-MLF? (4x4)	Supplier Device Package	16-MLF? (4x4)
Report errors		Report errors?

#### MIC68400-2.5YML-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.

## MIC68400-2.5YML-TR Payment Methods



















# MIC68400-2.5YML-TR Shipping Methods













If you have any question about MIC68400-2.5YML-TR, please do not hesitate to contact us!

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