

### MIC37139-2.5BS Information



For Reference Only

Part NumberMIC37139-2.5BSManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 2.5V 1.5A SOT223

Package TO-261-4, TO-261AA

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.









# MIC37139-2.5BS Specifications

Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         TO-261-4, TO-261AA           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.5V @ 1.5A           Current - Output         1.5A           Current - Quiescent (Iq)         -           Current - Supply (Max)         30mA           PSRR         -           Control Features         -           Protection Features         Over Current, Over Temperature, Reverse Polarity           Operating Temperature         -40°C ~ 125°C		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackageTO-261-4, TO-261AASeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.5V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)30mAPSRR-Control Features-Protection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°C	Manufacturer Part Number	MIC37139-2.5BS
PackageTO-261-4, TO-261AASeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.5V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)30mAPSRR-Control Features-Protection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°C	Manufacturer	Microchip Technology
Package TO-261-4, TO-261AA  Series - Output Configuration Positive Output Type Fixed  Number of Regulators 1 Voltage - Input (Max) 6V  Voltage - Output (Min/Fixed) 2.5V  Voltage - Output (Max) - Voltage Dropout (Max) 0.5V @ 1.5A  Current - Output 1.5A  Current - Quiescent (Iq) - Current - Supply (Max) 30mA  PSRR - Control Features - Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature - 40°C ~ 125°C	Category	Integrated Circuits (ICs)
Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 2.5V Voltage - Output (Max) - Voltage Dropout (Max) 0.5V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 30mA PSRR - Control Features - Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature - 40°C ~ 125°C		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.5V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)30mAPSRR-Control Features-Protection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°C	Package	TO-261-4, TO-261AA
Output TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.5V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)30mAPSRR-Control Features-Protection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°C	Series	-
Number of Regulators  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage - Output (Max)  Voltage - Output (Max)  -  Voltage Dropout (Max)  Current - Output  1.5A  Current - Quiescent (Iq)  -  Current - Supply (Max)  30mA  PSRR  -  Control Features  -  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C	Output Configuration	Positive
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  2.5V  Voltage - Output (Max)  -  Voltage Dropout (Max)  Current - Output  1.5A  Current - Quiescent (Iq)  -  Current - Supply (Max)  PSRR  -  Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -  6V  0.5V  0.5V	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  -  Voltage Dropout (Max)  Current - Output  1.5A  Current - Quiescent (Iq)  -  Current - Supply (Max)  PSRR  -  Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  0.5V @ 1.5A  Current - Output  1.5A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  - Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C	Voltage - Input (Max)	6V
Voltage Dropout (Max)  Current - Output  1.5A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  - Control Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C	Voltage - Output (Min/Fixed)	2.5V
Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  - Control Features  Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  1.5A  -  Current - Quiescent (Iq)  -  Own  Own  Own  Over Current, Over Temperature, Reverse Polarity  -40°C ~ 125°C	Voltage - Output (Max)	-
Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  - Control Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C	Voltage Dropout (Max)	0.5V @ 1.5A
Current - Supply (Max)  PSRR  - Control Features  - Protection Features  Over Current, Over Temperature, Reverse Polarity  Operating Temperature  -40°C ~ 125°C	Current - Output	1.5A
PSRR - Control Features - Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature -40°C ~ 125°C	Current - Quiescent (Iq)	-
Control Features -  Protection Features Over Current, Over Temperature, Reverse Polarity  Operating Temperature -40°C ~ 125°C	Current - Supply (Max)	30mA
Protection Features Over Current, Over Temperature, Reverse Polarity Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	PSRR	-
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Control Features	-
	Protection Features	Over Current, Over Temperature, Reverse Polarity
Mounting Type	Operating Temperature	-40°C ~ 125°C
Surface iviounit	Mounting Type	Surface Mount
Package / Case TO-261-4, TO-261AA	Package / Case	TO-261-4, TO-261AA
Supplier Device Package SOT-223	Supplier Device Package	SOT-223
Report errors		Report errors?

### MIC37139-2.5BS 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.

## MIC37139-2.5BS Payment Methods



















## MIC37139-2.5BS Shipping Methods













If you have any question about MIC37139-2.5BS, please do not hesitate to contact us!

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