



#### MIC5375-2.8YMT-TZ Information



For Reference Only

Part Number MIC5375-2.8YMT-TZ
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LINEAR 2.8V 150MA 4TMLF

**Description** IC REG LINEAR 2.8V 150MA 4TM **Package** 4-UDFN Exposed Pad, 4-TMLF?

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.









## MIC5375-2.8YMT-TZ Specifications

Manufacturer Part Number         Microchip Technology           Category         Integrated Circuits (ICs)           Package         4-UDFN Exposed Pad, 4-TMLF?           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5 V           Voltage - Output (Min/Fixed)         2.8 V           Voltage - Output (Max)         -           Voltage - Output (Max)         0.2 V @ 150mA           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         45µA           PSRR         60dB ~ 50dB (1kHz ~ 10kHz)           Control Features         Over Current, Over Temperature           Protection Features         Over Current, Over Temperature           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad, 4-TMLF?           Supplier Device Package         4-TMLF? (1x1)		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         4-UDFN Exposed Pad, 4-TMLF?           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5 V           Voltage - Output (Min/Fixed)         2.8 V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.2 V @ 150mA           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         45μA           PSRR         60dB ~ 50dB (1kHz ~ 10kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad, 4-TMLF?           Supplier Device Package         4-TMLF? (1x1)	Manufacturer Part Number	MIC5375-2.8YMT-TZ
PMIC - Voltage Regulators - Linear           Package         4-UDFN Exposed Pad, 4-TMLF?           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         2.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.2V @ 150mA           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         45μA           PSRR         60dB ~ 50dB (1kHz ~ 10kHz)           Control Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad, 4-TMLF?           Supplier Device Package         4-TMLF? (1x1)	Manufacturer	Microchip Technology
Package         4-UDFN Exposed Pad, 4-TMLF?           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5 V           Voltage - Output (Min/Fixed)         2.8 V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.2 V @ 150mA           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         45μA           PSRR         60dB ~ 50dB (1kHz ~ 10kHz)           Control Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         4-UDFN Exposed Pad, 4-TMLF?           Supplier Device Package         4-TMLF? (1x1)	Category	Integrated Circuits (ICs)
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Output Type  Number of Regulators  1  Voltage - Input (Max)  5.5V  Voltage - Output (Min/Fixed)  2.8V  Voltage - Output (Max)  -  Voltage Dropout (Max)  0.2V @ 150mA  Current - Output  150mA  Current - Quiescent (Iq)  -  Current - Supply (Max)  45µA  PSRR  60dB ~ 50dB (1kHz ~ 10kHz)  Control Features  Protection Features  Over Current, Over Temperature  Operating Temperature  Auo°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  4-UDFN Exposed Pad, 4-TMLF?  Supplier Device Package	Series	-
Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)45μAPSRR60dB ~ 50dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UDFN Exposed Pad, 4-TMLF?Supplier Device Package4-TMLF? (1x1)	Output Configuration	Positive
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)45μAPSRR60dB ~ 50dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UDFN Exposed Pad, 4-TMLF?Supplier Device Package4-TMLF? (1x1)	Output Type	Fixed
Voltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)45μAPSRR60dB ~ 50dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UDFN Exposed Pad, 4-TMLF?Supplier Device Package4-TMLF? (1x1)	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  60dB ~ 50dB (1kHz ~ 10kHz)  Control Features  Enable  Protection Features  Operating Temperature  Operating Temperature  A-0°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  4-TMLF? (1x1)	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)  Current - Output  150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  60dB ~ 50dB (1kHz ~ 10kHz)  Control Features  Enable  Protection Features  Operating Temperature  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  4-UDFN Exposed Pad, 4-TMLF?  Supplier Device Package	Voltage - Output (Min/Fixed)	2.8V
Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)45μAPSRR60dB ~ 50dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case4-UDFN Exposed Pad, 4-TMLF?Supplier Device Package4-TMLF? (1x1)	Voltage - Output (Max)	-
Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  60dB ~ 50dB (1kHz ~ 10kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  4-UDFN Exposed Pad, 4-TMLF?  Supplier Device Package  4-TMLF? (1x1)	Voltage Dropout (Max)	0.2V @ 150mA
Current - Supply (Max)  PSRR  60dB ~ 50dB (1kHz ~ 10kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  4-UDFN Exposed Pad, 4-TMLF?  Supplier Device Package  4-TMLF? (1x1)	Current - Output	150mA
PSRR 60dB ~ 50dB (1kHz ~ 10kHz)  Control Features Enable  Protection Features Over Current, Over Temperature  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 4-UDFN Exposed Pad, 4-TMLF?  Supplier Device Package 4-TMLF? (1x1)	Current - Quiescent (Iq)	-
Control Features  Protection Features  Over Current, Over Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  4-UDFN Exposed Pad, 4-TMLF?  Supplier Device Package  4-TMLF? (1x1)	Current - Supply (Max)	45μΑ
Protection Features Over Current, Over Temperature  -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 4-UDFN Exposed Pad, 4-TMLF?  Supplier Device Package 4-TMLF? (1x1)	PSRR	60dB ~ 50dB (1kHz ~ 10kHz)
Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  4-UDFN Exposed Pad, 4-TMLF?  Supplier Device Package  4-TMLF? (1x1)	Control Features	Enable
Mounting Type Surface Mount  Package / Case 4-UDFN Exposed Pad, 4-TMLF?  Supplier Device Package 4-TMLF? (1x1)	Protection Features	Over Current, Over Temperature
Package / Case 4-UDFN Exposed Pad, 4-TMLF? Supplier Device Package 4-TMLF? (1x1)	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 4-TMLF? (1x1)	Mounting Type	Surface Mount
. , ,	Package / Case	4-UDFN Exposed Pad, 4-TMLF?
Report errors?	Supplier Device Package	4-TMLF? (1x1)
		Report errors

### MIC5375-2.8YMT-TZ 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.

### MIC5375-2.8YMT-TZ Payment Methods



















### MIC5375-2.8YMT-TZ Shipping Methods













If you have any question about MIC5375-2.8YMT-TZ, please do not hesitate to contact us!

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