

# MIC5387-SGFYMT-TR

## **MIC5387-SGFYMT-TR Information**



For Reference Only

Part Number	MIC5387-SGFYMT-TR
Manufacturer	Microchip Technology
Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear
Description	IC REG LIN 1.5V/1.8V/3.3V 6TMLF
Package	6-UFDFN Exposed Pad, 6-TMLF?
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **MIC5387-SGFYMT-TR Specifications**

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage6-UFDFN Exposed Pad, 6-TMLF?Series-Dutput ConfigurationPositiveDutput ConfigurationFixedNumber of Regulators3Voltage - Input (Max)5.5VVoltage - Output (Max)-Voltage - Output (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mACurrent - Output150mA, 150mA, 150mACurrent - Output40µA ~ 120µACurrent - Supply (Max)40µA ~ 10µAControl FeaturesOver Current, Over TemperatureProtection FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?			
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage6-UFDFN Exposed Pad, 6-TMLF?Series-Dutput ConfigurationPositiveDutput ConfigurationPositiveDutput TypeFixedNumber of Regulators3Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.5V, 1.8V, 3.3VVoltage - Output (Max)-Voltage - Output (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mACurrent - Output150mA, 150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)40µA ~ 120µASSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesOver Current, Over TemperaturePortoction FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Manufacturer Part Number	MIC5387-SGFYMT-TR	
PMIC - Voltage Regulators - LinearPackage6-UFDFN Exposed Pad, 6-TMLF?Series-Dutput ConfigurationPositiveDutput TypeFixedNumber of Regulators3Voltage - Input (Max)5.5VVoltage - Output (Max)-Voltage - Output (Max)-Voltage Dropout (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mACurrent - Output150mA, 150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)40μA ~ 120μAPSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Protection FeaturesDever Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Manufacturer	Microchip Technology	
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Series-Dutput ConfigurationPositiveDutput TypeFixedSumber of Regulators3Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.5V, 1.8V, 3.3VVoltage - Output (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mAVoltage Dropout (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mACurrent - Output150mA, 150mA, 150mACurrent - Output40µA ~ 120µACurrent - Supply (Max)Mul A ~ 120µAPotection FeaturesOde 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Protection FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSufface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x.1.6)		PMIC - Voltage Regulators - Linear	
Dutput ConfigurationPositiveDutput TypeFixedSumber of Regulators3Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.5V, 1.8V, 3.3VVoltage - Output (Max)-Voltage - Output (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mAVoltage - Output (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mAVoltage Dropout (Max)0.38V @ 150mA, 150mACurrent - Output150mA, 150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)40µA ~ 120µAPSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesEnablePoretcino FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Package	6-UFDFN Exposed Pad, 6-TMLF?	
Dutput Type     Fixed       Sumber of Regulators     3       Voltage - Input (Max)     5.5V       Voltage - Output (Min/Fixed)     1.5V, 1.8V, 3.3V       Voltage - Output (Max)     -       Voltage Dropout (Max)     0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mA       Voltage Dropout (Max)     0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mA       Current - Output     150mA, 150mA, 150mA       Current - Quiescent (Iq)     -       Current - Supply (Max)     40μA ~ 120μA       PSRR     70dB ~ 60dB (1kHz ~ 10kHz), 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-UFDFN Exposed Pad, 6-TMLF?       Supplier Device Package     6-TMLF? (1.6x1.6)	Series	-	
Number of Regulators3Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.5V, 1.8V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mACurrent - Output150mA, 150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)40µA ~ 120µAPSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Output Configuration	Positive	
Voltage - Input (Max)     5.5V       Voltage - Output (Min/Fixed)     1.5V, 1.8V, 3.3V       Voltage - Output (Max)     -       Voltage Dropout (Max)     0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mA       Current - Output     150mA, 150mA, 0.38V @ 150mA, 0.31V @ 150mA       Current - Quiescent (Iq)     -       Current - Supply (Max)     40µA ~ 120µA       PSRR     70dB ~ 60dB (1kHz ~ 10kHz), 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-UFDFN Exposed Pad, 6-TMLF?       Supplier Device Package     6-TMLF? (1.6x1.6)	Output Type	Fixed	
Voltage - Output (Min/Fixed)1.5V, 1.8V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mACurrent - Output150mA, 150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)40µA ~ 120µAPSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesEnableProtection FeaturesOver Current, Over Temperature-40°C ~ 125°CSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Number of Regulators	3	
Voltage - Output (Max)-Voltage Dropout (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mACurrent - Output150mA, 150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)40μA ~ 120μAPSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesEnableProtection FeaturesOver Current, Over Temperature-40°C ~ 125°CSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Voltage - Input (Max)	5.5V	
Voltage Dropout (Max)0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mACurrent - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)40μA ~ 120μAPSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Voltage - Output (Min/Fixed)	1.5V, 1.8V, 3.3V	
Current - Output150mA, 150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)40μA ~ 120μAPSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Voltage - Output (Max)	-	
Current - Quiescent (Iq)-Current - Supply (Max)40μA ~ 120μAPSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Voltage Dropout (Max)	0.38V @ 150mA, 0.38V @ 150mA, 0.31V @ 150mA	
Current - Supply (Max)40μA ~ 120μAPSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Current - Output	150mA, 150mA, 150mA	
PSRR70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Current - Quiescent (Iq)	-	
Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Current - Supply (Max)	40μΑ ~ 120μΑ	
Protection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	PSRR	70dB ~ 60dB (1kHz ~ 10kHz), 70dB ~ 60dB (1kHz ~ 10kHz), -	
Derating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Control Features	Enable	
Mounting TypeSurface MountPackage / Case6-UFDFN Exposed Pad, 6-TMLF?Supplier Device Package6-TMLF? (1.6x1.6)	Protection Features	Over Current, Over Temperature	
Package / Case 6-UFDFN Exposed Pad, 6-TMLF?   Supplier Device Package 6-TMLF? (1.6x1.6)	Operating Temperature	$-40^{\circ}C \sim 125^{\circ}C$	
Supplier Device Package 6-TMLF? (1.6x1.6)	Mounting Type	Surface Mount	
	Package / Case	6-UFDFN Exposed Pad, 6-TMLF?	
Report errors?	Supplier Device Package	6-TMLF? (1.6x1.6)	
			Report errors?

### **MIC5387-SGFYMT-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.

### MIC5387-SGFYMT-TR Payment Methods



If you have any question about MIC5387-SGFYMT-TR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com