

# MIC5233-5.0YM5-TR

#### MIC5233-5.0YM5-TR Information



# **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.



# MIC5233-5.0YM5-TR Specifications

Manufacturer Part NumberMIC5233-5.0YM5-TRManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - LinearPackageSC-74A, SOT-753Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)36VVoltage - Output (Max)5VVoltage Douptut (Max)-Output Output (Max)0.45V @ 100mACurrent - Output30µA ~ 2mAPSRR-Control FeaturesSudeProtection FeaturesCover Current, Over Temperature, Reverse PolarityOutputing TypeSuface MountProtection FeaturesSuface MountProtection FeaturesSuface MountProtection FeaturesSuface MountParting TypeSuface MountParting Type <th></th> <th></th>		
CategoryIntegrated Circuits (Cs)PMIC - Voltage Regulators - LinearPackageSC-74A, SOT-753Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage Output (Max)-Voltage Dropout (Max)0.45V @ 100mACurrent - Output100mACurrent - Quiescent (Iq)-Current - Supply (Max)30µA ~ 2mAPSRR-Control FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature440°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Manufacturer Part Number	MIC5233-5.0YM5-TR
MIC - Voltage Regulators - LinearPackageSC-74A, SOT-753Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage Output (Max)-Voltage Dropout (Max)0.45V @ 100mACurrent - Output100mACurrent - Quiescent (Iq)-Current - Supply (Max)30µA ~ 2mAPSRR-Control FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Manufacturer	Microchip Technology
PackageSC-74A, SOT-753Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)0.45V @ 100mACurrent - Output100mACurrent - Supply (Max)30µA ~ 2mAPSRR-Control FeaturesGover Current, Over Temperature, Reverse PolarityOperating Temperature44°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)0.45V @ 100mACurrent - Output100mACurrent - Supply (Max)30µA ~ 2mAPSRR-Fortoction FeaturesSover Current, Over Temperature, Reverse PolarityOperating Temperature-Mounting TypeSuface MountPackage / CaseScr4A, SOT-753		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage - Output (Max)0.45V @ 100mACurrent - Output100mACurrent - Quiescent (Iq)-Current - Supply (Max)30µA ~ 2mAPSRR-Control FeaturesFoableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature40°C ~ 125°CMounting TypeSC74A, SOT-753	Package	SC-74A, SOT-753
Output Type       Fixed         Number of Regulators       1         Voltage - Input (Max)       36V         Voltage - Output (Min/Fixed)       5V         Voltage - Output (Max)       -         Voltage - Output (Max)       0.45V @ 100mA         Voltage Dropout (Max)       0.45V @ 100mA         Current - Output       100mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       30µA ~ 2mA         PSRR       -         Potection Features       Enable         Protection Features       Over Current, Over Temperature, Reverse Polarity         Operating Temperature       440°C ~ 125°C         Mounting Type       Surface Mount         Package / Case       Sc-74A, SOT-753	Series	-
Number of Regulators1Number of Regulators36VVoltage - Input (Max)36VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)0.45V @ 100mACurrent - Output100mACurrent - Quiescent (Iq)-Current - Supply (Max)30µA ~ 2mAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Output Configuration	Positive
Voltage - Input (Max)       36V         Voltage - Output (Min/Fixed)       5V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.45V @ 100mA         Current - Output       100mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       30μA ~ 2mA         PSRR       -         Portor Features       Gover Current, Over Temperature, Reverse Polarity         Protection Features       Over Current, Over Temperature, Reverse Polarity         Operating Temperature       Sufface Mount         Package / Case       SC-74A, SOT-753	Output Type	Fixed
Voltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)0.45V @ 100mACurrent - Output100mACurrent - Quiescent (Iq)-Current - Supply (Max)30µA ~ 2mAPSRR-Control FeaturesEnableProtection Features-Ver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Number of Regulators	1
Voltage - Output (Max)-Voltage Dropout (Max)0.45V @ 100mACurrent - Output100mACurrent - Quiescent (Iq)-Current - Supply (Max)30µA ~ 2mAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Voltage - Input (Max)	36V
Voltage Dropout (Max)0.45V @ 100mACurrent - Output100mACurrent - Quiescent (Iq)-Current - Supply (Max)30μA ~ 2mAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Voltage - Output (Min/Fixed)	5V
Current - Output100mACurrent - Quiescent (Iq)-Current - Supply (Max)30μA ~ 2mAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)30μA ~ 2mAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Voltage Dropout (Max)	0.45V @ 100mA
Current - Supply (Max)30μA ~ 2mAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Current - Output	100mA
PSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Current - Quiescent (Iq)	-
Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Current - Supply (Max)	$30\mu A \sim 2mA$
Protection FeaturesOver Current, Over Temperature, Reverse PolarityOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	PSRR	-
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Control Features	Enable
Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753	Protection Features	Over Current, Over Temperature, Reverse Polarity
Package / Case SC-74A, SOT-753	Operating Temperature	-40°C ~ 125°C
-	Mounting Type	Surface Mount
	Package / Case	SC-74A, SOT-753
Supplier Device Package SO1-23-5	Supplier Device Package	SOT-23-5
Report errors <sup>6</sup>		Report errors?

## MIC5233-5.0YM5-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.

### MIC5233-5.0YM5-TR Payment Methods





If you have any question about MIC5233-5.0YM5-TR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com