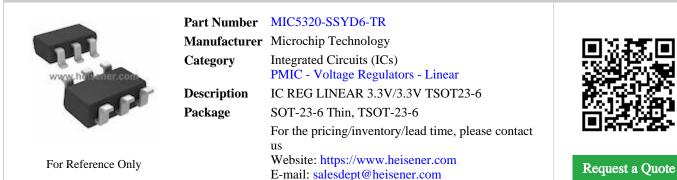


# MIC5320-SSYD6-TR

#### MIC5320-SSYD6-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.



# MIC5320-SSYD6-TR Specifications

Manufacturer Microchip Technology   Category Integrated Circuits (ICs)   PMIC - Voltage Regulators - Linear   Package SOT-23-6 Thin, TSOT-23-6   Series -   Dutput Configuration Positive   Output Type Fixed   Number of Regulators 2   Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 3.3V, 3.3V   Voltage - Output (Max) -   Voltage - Output (Max) 0.1V @ 150mA, 0.1V @ 150mA   Current - Output 150mA, 150mA   Current - Quiescent (Iq) -   Current - Supply (Max) 120µA ~ 190µA   PSRR 65dB ~ 45dB (1kHz ~ 20kHz)   Cortrol Features Over Current, Over Temperature   Operating Temperature 40°C ~ 125°C   Mounting Type Surface Mount   Package / Case SOT-23-6 Thin, TSOT-23-6   Supplier Device Package TSOT-23-6		
CategoryIntegrated Circuits (Cs)PackagePMIC - Voltage Regulators - LinearPackageSOT-23-6 Thin, TSOT-23-6Series-Output ConfigurationPositiveOutput ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.1V @ 150mA, 0.1V @ 150mACurrent - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)120µA ~ 190µAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Manufacturer Part Number	MIC5320-SSYD6-TR
PMIC - Voltage Regulators - LinearPackageSOT-23-6 Thin, TSOT-23-6Series-Output ConfigurationPositiveDutput ConfigurationPositiveNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3V, 3.3VVoltage - Output (Max)-Voltage - Output (Max)-Voltage - Output (Max)0.1V @ 150mA, 0.1V @ 150mACurrent - Output150mA, 150mACurrent - Output120μA ~ 190μACurrent - Supply (Max)EnablePosterionGtdB ~ 45dB (1kHz ~ 20kHz)Control FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Manufacturer	Microchip Technology
PackageSOT-23-6 Thin, TSOT-23-6Series-Output ConfigurationPositiveDutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mA, 0.1V @ 150mACurrent - Output120µA ~ 190µACurrent - Supply (Max)5dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesFinableProtection FeaturesOver Current, Over TemperatureOperating Temperature40°C ~ 125°CMounting TypeSufface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3V, 3.3VVoltage - Output (Max)-Voltage Output (Max)0.1V @ 150mA, 0.1V @ 150mAVoltage Dropout (Max)0.1V @ 150mA, 0.1V @ 150mACurrent - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)120μA ~ 190μAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesOver Current, Over TemperatureProtection Features-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageTSOT-23-6		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3V, 3.3VVoltage - Output (Max)-Voltage - Output (Max)0.1V @ 150mA, 0.1V @ 150mAVoltage Dropout (Max)0.1V @ 150mA, 0.1V @ 150mACurrent - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)120µA ~ 190µAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesOver Current, Over TemperatureOperating Temperature-Protection FeaturesSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Package	SOT-23-6 Thin, TSOT-23-6
Output TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.1V @ 150mA, 0.1V @ 150mACurrent - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)120µA ~ 190µAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Series	-
Number of Regulators2Number of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.1V @ 150mA, 0.1V @ 150mACurrent - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)120µA ~ 190µAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesOver Current, Over TemperatureProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Output Configuration	Positive
Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 3.3V, 3.3V   Voltage - Output (Max) -   Voltage Dropout (Max) 0.1V @ 150mA, 0.1V @ 150mA   Current - Output 150mA, 150mA   Current - Quiescent (Iq) -   Current - Supply (Max) 120μA ~ 190μA   PSRR 65dB ~ 45dB (1kHz ~ 20kHz)   Control Features Over Current, Over Temperature   Protection Features Over Current, Over Temperature   Package / Case Sufface Mount   Supplier Device Package TSOT-23-6	Output Type	Fixed
Voltage - Output (Min/Fixed)3.3V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.1V @ 150mA, 0.1V @ 150mACurrent - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)120μA ~ 190μAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Number of Regulators	2
Voltage - Output (Max)-Voltage Dropout (Max)0.1V @ 150mA, 0.1V @ 150mACurrent - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)120μA ~ 190μAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)0.1V @ 150mA, 0.1V @ 150mACurrent - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)120μA ~ 190μAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Voltage - Output (Min/Fixed)	3.3V, 3.3V
Current - Output150mA, 150mACurrent - Quiescent (Iq)-Current - Supply (Max)120μA ~ 190μAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)120μA ~ 190μAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Voltage Dropout (Max)	0.1V @ 150mA, 0.1V @ 150mA
Current - Supply (Max)120μA ~ 190μAPSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Current - Output	150mA, 150mA
PSRR65dB ~ 45dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Current - Quiescent (Iq)	-
Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Current - Supply (Max)	120µA ~ 190µA
Protection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	PSRR	65dB ~ 45dB (1kHz ~ 20kHz)
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Control Features	Enable
Mounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Protection Features	Over Current, Over Temperature
Package / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6	Operating Temperature	-40°C ~ 125°C
Supplier Device Package TSOT-23-6	Mounting Type	Surface Mount
	Package / Case	SOT-23-6 Thin, TSOT-23-6
Report errors?	Supplier Device Package	TSOT-23-6
		Report errors?

#### MIC5320-SSYD6-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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

### MIC5320-SSYD6-TR Payment Methods





If you have any question about MIC5320-SSYD6-TR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com