



MIC5306-3.0YD5-TR Information



For Reference Only

Part Number MIC5306-3.0YD5-TR
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 3V 150MA TSOT23-5

Package SOT-23-5 Thin, TSOT-23-5

For the pricing/inventory/lead time, please contact

us

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



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MIC5306-3.0YD5-TR Specifications

Manufacturer Part Number MiC5306-3.0YD5-TR Manufacturer Microchip Technology Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package SOT-23-5 Thin, TSOT-23-5 Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.2V @ 150mA Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 25µA PSRR 62dB ~ 35dB (10Hz ~ 20kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	•	
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Series - Cutput Configuration Positive Cutput Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Cutput (Max) 0.2V @ 150mA Current - Output (Max) 150mA Current - Quiescent (Iq) - Cutrent - Supply (Max) 25µA PSRR 62dB ~ 35dB (10Hz ~ 20kHz) Control Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)25µAPSRR62dB ~ 35dB (10Hz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device PackageTSOT-23-5	Package	SOT-23-5 Thin, TSOT-23-5
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Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)25μAPSRR62dB ~ 35dB (10Hz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device PackageTSOT-23-5	Output Configuration	Positive
Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) - Voltage Dropout (Max) Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 62dB ~ 35dB (10Hz ~ 20kHz) Control Features Frotection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package	Output Type	Fixed
Voltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)25μAPSRR62dB ~ 35dB (10Hz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device PackageTSOT-23-5	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 62dB ~ 35dB (10Hz ~ 20kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)0.2V @ 150mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)25μAPSRR62dB ~ 35dB (10Hz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device PackageTSOT-23-5	Voltage - Output (Min/Fixed)	3V
Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)25μAPSRR62dB ~ 35dB (10Hz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device PackageTSOT-23-5	Voltage - Output (Max)	-
Current - Quiescent (Iq) Current - Supply (Max) PSRR 62dB ~ 35dB (10Hz ~ 20kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package	Voltage Dropout (Max)	0.2V @ 150mA
Current - Supply (Max)25μAPSRR62dB ~ 35dB (10Hz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device PackageTSOT-23-5	Current - Output	150mA
PSRR 62dB ~ 35dB (10Hz ~ 20kHz) Control Features Enable Protection Features Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Current - Quiescent (Iq)	-
Control Features Protection Features Over Current, Over Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package	Current - Supply (Max)	25μΑ
Protection Features Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	PSRR	62dB ~ 35dB (10Hz ~ 20kHz)
Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Control Features	Enable
Mounting Type Surface Mount Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Protection Features	Over Current, Over Temperature
Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Operating Temperature	-40°C ~ 125°C
Supplier Device Package TSOT-23-5	Mounting Type	Surface Mount
	Package / Case	SOT-23-5 Thin, TSOT-23-5
Report errors?	Supplier Device Package	TSOT-23-5
		Report errors

MIC5306-3.0YD5-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.

MIC5306-3.0YD5-TR Payment Methods



















MIC5306-3.0YD5-TR Shipping Methods













If you have any question about MIC5306-3.0YD5-TR, please do not hesitate to contact us!

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