

# MCP1812AT-033/LT

### MCP1812AT-033/LT Information

	Part Number	MCP1812AT-033/LT	
	Manufacturer	r Microchip Technology	
	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear	
	Description	ULTRA LOW IQ LDO	
	Package	5-TSSOP, SC-70-5, SOT-353	
		For the pricing/inventory/lead time, please contact	
		us	
Only		Website: https://www.heisener.com	
		E-mail: salesdept@heisener.com	



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### MCP1812AT-033/LT Specifications

Manufacturer Microchip Technology   Manufacturer Microchip Technology   Category Integrated Circuits (ICs)   Package S-TSSOP, SC-70-5, SOT-353   Series -   Output Configuration Positive   Output Type Fixed   Number of Regulators 1   Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 3.3V   Voltage - Output (Max) -   Voltage Doupout (Max) -   Current - Output 300mA   Current - Quiescent (Iq) 0.5µA   Current - Supply (Max) 20µA   PSRR SodB (1kHz)   Control Features Over Current   Operating Temperature -40°C ~ 85°C (TJ)   Mounting Type Surface Mount   Package / Case 5.TSSOP, SC-70-5, SOT-353		
CategoryIntegrated Circuits (Γς)PackagePMIC - Voltage Regulators - LinearPackageS-TSSOP, SC-70-5, SOT-353Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Doupout (Max)0.6V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)0.5µACurrent - Supply (Max)200µAPSRR50dB (1kHz)Control FeaturesOver CurrentProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / CaseS-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Manufacturer Part Number	MCP1812AT-033/LT
PMIC - Voltage Regulators - LinearPackageS-TSSOP, SC-70-5, SOT-353Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)S.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Output (Max)06V@ 300mACurrent - Output300mACurrent - Output (Max)20µACurrent - Supply (Max)Sold (IHIz)Control FeaturesSold B (IHIz)Potection FeaturesOver CurrentOperating Temperature4.0°C ~ 85°C (TJ)Mounting TypeS-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Manufacturer	Microchip Technology
Package5-TSSOP, SC-70-5, SOT-353Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Min/Fixed)-Voltage - Output (Max)-Voltage Dropout (Max)0.6V @ 300mACurrent - Output0.5µACurrent - Quiescent (Iq)0.5µACurrent - Supply (Max)200µAPSRR50dB (1kHz)Control FeaturesOver CurrentProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5.TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Category	Integrated Circuits (ICs)
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Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage - Output (Max)0.6V @ 300mACurrent - Output300mACurrent - Output0.5µACurrent - Supply (Max)220µAPSRR50dB (1kHz)Protection FeaturesOver CurrentOperating TemperatureOver CurrentOperating TemperatureSurface MountPackage / Case5.7SSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Package	5-TSSOP, SC-70-5, SOT-353
Output TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.6V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)0.5µACurrent - Supply (Max)220µAPSRR50dB (1kHz)Control FeaturesDover CurrentOperating Temperature0.40°C ~ 85°C (TJ)Mounting Type5.TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Series	-
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Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 3.3V   Voltage - Output (Max) -   Voltage Dropout (Max) 0.6V @ 300mA   Current - Output 300mA   Current - Quiescent (Iq) 0.5µA   Current - Supply (Max) 220µA   PSRR 50dB (1kHz)   Control Features Over Current   Operating Temperature -40°C ~ 85°C (TJ)   Mounting Type Surface Mount   Package / Case 5-TSSOP, SC-70-5, SOT-353   Supplier Device Package SC-70-5	Output Type	Fixed
Voltage - Output (Min/Fixed)3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.6V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)0.5μACurrent - Supply (Max)220μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Number of Regulators	1
Voltage - Output (Max)-Voltage Dropout (Max)0.6V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)0.5μACurrent - Supply (Max)220μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSc-70-5	Voltage - Input (Max)	5.5V
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Current - Output300mACurrent - Quiescent (Iq)0.5μACurrent - Supply (Max)220μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Voltage - Output (Max)	-
Current - Quiescent (Iq)0.5μACurrent - Supply (Max)220μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Voltage Dropout (Max)	0.6V @ 300mA
Current - Supply (Max)220μAPSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Current - Output	300mA
PSRR50dB (1kHz)Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Current - Quiescent (Iq)	0.5μΑ
Control FeaturesEnableProtection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Current - Supply (Max)	220µА
Protection FeaturesOver CurrentOperating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	PSRR	50dB (1kHz)
Operating Temperature-40°C ~ 85°C (TJ)Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Control Features	Enable
Mounting TypeSurface MountPackage / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Protection Features	Over Current
Package / Case5-TSSOP, SC-70-5, SOT-353Supplier Device PackageSC-70-5	Operating Temperature	-40°C ~ 85°C (TJ)
Supplier Device Package SC-70-5	Mounting Type	Surface Mount
	Package / Case	5-TSSOP, SC-70-5, SOT-353
Report errors?	Supplier Device Package	SC-70-5
		Report errors?

### MCP1812AT-033/LT 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.

#### MCP1812AT-033/LT Payment Methods





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