



### MCP1812BT-040/LT Information

Heisener.com

Part NumberMCP1812BT-040/LTManufacturerMicrochip TechnologyCategoryIntegrated 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

For Reference Only

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



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## **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.









# MCP1812BT-040/LT Specifications

Manufacturer Part Number         MCP1812BT-040/LT           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           Package         5-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)         4V           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         Enable           Protection Features         Over Current           Operating Temperature         -40°C ~ 85°C (TJ)           Mounting Type         Surface Mount           Package / Case         5-TSSOP, SC-70-5, SOT-353           Suplier Device Package         SC-70-5	•	
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         5-TSSOP, SC-70-5, SOT-353           Scries         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         4V           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         Enable           Protection 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	Manufacturer Part Number	MCP1812BT-040/LT
Package         5-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)         4V           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	Manufacturer	Microchip Technology
Package         5-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)         4V           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	Category	Integrated Circuits (ICs)
Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         4V           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		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)4VVoltage - 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	Package	5-TSSOP, SC-70-5, SOT-353
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Number of Regulators       1         Voltage - Input (Max)       5.5V         Voltage - Output (Min/Fixed)       4V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.6V @ 300mA         Current - Output       300mA         Current - Quiescent (Iq)       0.5μA         Current - Supply (Max)       220μA         PSRR       50dB (IkHz)         Control Features       Enable         Protection 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 Configuration	Positive
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  - Voltage Dropout (Max)  Current - Output  300mA  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  50dB (1kHz)  Control Features  Frotection Features  Operating Temperature  -40°C ~ 85°C (TJ)  Mounting Type  Surface Mount  Package / Case  SC-70-5	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  - Voltage Dropout (Max)  Current - Output  300mA  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  50dB (1kHz)  Control Features  Protection 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	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  300mA  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  50dB (1kHz)  Control Features  Enable  Protection Features  Operating Temperature  Operating Type  Surface Mount  Package / Case  SC-70-5	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)  Current - Output  300mA  Current - Quiescent (Iq)  0.5μA  Current - Supply (Max)  PSRR  50dB (1kHz)  Control Features  Enable  Protection Features  Operating Temperature  Operating Type  Surface Mount  Package / Case  SC-70-5	Voltage - Output (Min/Fixed)	4V
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
PSRR 50dB (1kHz)  Control Features Enable  Protection 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	Current - Quiescent (Iq)	0.5μΑ
Control Features  Protection Features  Over Current  -40°C ~ 85°C (TJ)  Mounting Type  Surface Mount  Package / Case  5-TSSOP, SC-70-5, SOT-353  Supplier Device Package  SC-70-5	Current - Supply (Max)	220μΑ
Protection Features Over Current -40°C ~ 85°C (TJ)  Mounting Type Surface Mount Package / Case 5-TSSOP, SC-70-5, SOT-353 Supplier Device Package SC-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 Type Surface Mount  Package / Case 5-TSSOP, SC-70-5, SOT-353  Supplier Device Package SC-70-5	Protection Features	Over Current
Package / Case 5-TSSOP, SC-70-5, SOT-353 Supplier Device Package SC-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
Donort amous 9	Supplier Device Package	SC-70-5
Report errors?		Report errors?

### MCP1812BT-040/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.

### MCP1812BT-040/LT Payment Methods



















# MCP1812BT-040/LT Shipping Methods













If you have any question about MCP1812BT-040/LT, please do not hesitate to contact us!

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