



MCP1804T-5002I/DB Information



For Reference Only

Part Number MCP1804T-5002I/DB
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 5V 150MA SOT223-3

Package TO-261-4, TO-261AA

For the pricing/inventory/lead time, please contact

us

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



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MCP1804T-5002I/DB Specifications

| Manufacturer Part Number MCP1804T-5002I/DB Manufacturer Microchip Technology Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package TO-261-4, TO-261AA Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 28V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.3V @ 100mA Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 105μA ~ 125μA PSRR 50dB (1kHz) Control Features - | • | |
|--|------------------------------|------------------------------------|
| Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package TO-261-4, TO-261AA Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 28V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.3V @ 100mA Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 105μA ~ 125μA PSRR 50dB (1kHz) Control Features - | Manufacturer Part Number | MCP1804T-5002I/DB |
| PMIC - Voltage Regulators - LinearPackageTO-261-4, TO-261AASeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)28VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 100mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)105μA ~ 125μAPSRR50dB (1kHz)Control Features- | Manufacturer | Microchip Technology |
| PackageTO-261-4, TO-261AASeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)28VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 100mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max) 105μ A ~ 125μ APSRR $50dB$ (1kHz)Control Features- | Category | Integrated Circuits (ICs) |
| Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)28VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 100mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max) 105μ A ~ 125μ APSRR $50dB$ (1kHz)Control Features- | | PMIC - Voltage Regulators - Linear |
| Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)28VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 100mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)105µA ~ 125µAPSRR50dB (1kHz)Control Features- | Package | TO-261-4, TO-261AA |
| Output TypeFixedNumber of Regulators1Voltage - Input (Max)28VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 100mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)105μA ~ 125μAPSRR50dB (1kHz)Control Features- | Series | - |
| Number of Regulators1Voltage - Input (Max)28VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 100mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)105μA ~ 125μAPSRR50dB (1kHz)Control Features- | Output Configuration | Positive |
| Voltage - Input (Max)28VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 100mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)105μA ~ 125μAPSRR50dB (1kHz)Control Features- | Output Type | Fixed |
| Voltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.3V @ 100mACurrent - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)105μA ~ 125μAPSRR50dB (1kHz)Control Features- | Number of Regulators | 1 |
| Voltage - Output (Max) Voltage Dropout (Max) 1.3V @ 100mA Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 50dB (1kHz) Control Features - | Voltage - Input (Max) | 28V |
| Voltage Dropout (Max) 1.3V @ 100mA Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 105μA ~ 125μA PSRR 50dB (1kHz) Control Features - | Voltage - Output (Min/Fixed) | 5V |
| Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 105μA ~ 125μA PSRR 50dB (1kHz) Control Features - | Voltage - Output (Max) | - |
| Current - Quiescent (Iq) - | Voltage Dropout (Max) | 1.3V @ 100mA |
| Current - Supply (Max) $105\mu A \sim 125\mu A$ PSRR $50dB (1kHz)$ Control Features - | Current - Output | 150mA |
| PSRR 50dB (1kHz) Control Features - | Current - Quiescent (Iq) | - |
| Control Features - | Current - Supply (Max) | $105\mu A \sim 125\mu A$ |
| | PSRR | 50dB (1kHz) |
| Protection Factures Over Current Over Temperature | Control Features | - |
| Protection readures Over Current, Over Temperature | Protection Features | Over Current, Over Temperature |
| Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ | Operating Temperature | -40°C ~ 85°C |
| Mounting Type Surface Mount | Mounting Type | Surface Mount |
| Package / Case TO-261-4, TO-261AA | Package / Case | TO-261-4, TO-261AA |
| Supplier Device Package SOT-223-3 | Supplier Device Package | SOT-223-3 |
| Report errors? | | Report errors? |

MCP1804T-5002I/DB 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.

MCP1804T-5002I/DB Payment Methods



















MCP1804T-5002I/DB Shipping Methods













If you have any question about MCP1804T-5002I/DB, please do not hesitate to contact us!

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