



#### MCP1755S-1802E/DB Information



For Reference Only

Part Number MCP1755S-1802E/DB
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LIN 1.8V 300MA SOT223-3

**Description** IC REG LIN 1.8V 300M. **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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# **Certified Quality**

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## MCP1755S-1802E/DB Specifications

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)         16V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.5V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         100μA ~ 400μA           PSRR         80dB (1kHz)           Control Features         -           Protection Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount	*	
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)         16V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.5V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         100μA ~ 400μA           PSRR         80dB (1kHz)           Control Features         -           Protection Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-261-4, TO-261AA           Supplier Device Package         SOT-223-3	Manufacturer Part Number	MCP1755S-1802E/DB
PMIC - Voltage Regulators - Linear	Manufacturer	Microchip Technology
Package         TO-261-4, TO-261AA           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         16V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.5V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         100μA ~ 400μA           PSRR         80dB (1kHz)           Control Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-261-4, TO-261AA           Supplier Device Package         SOT-223-3	Category	Integrated Circuits (ICs)
Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         16V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.5V @ 300mA           Current - Output         300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         100μA ~ 400μA           PSRR         80dB (1kHz)           Control Features         -           Protection Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-261-4, TO-261AA           Supplier Device Package         SOT-223-3		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)16VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.5V @ 300mACurrent - Output300mACurrent - Quiescent (Iq)-Current - Supply (Max)100μA ~ 400μAPSRR80dB (1kHz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223-3	Package	TO-261-4, TO-261AA
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Voltage - Input (Max)  Voltage - Output (Min/Fixed)  1.8V  Voltage - Output (Max)  Voltage Dropout (Max)  - Voltage Dropout (Max)  Current - Output  300mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  80dB (1kHz)  Control Features  Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  - Voltage Dropout (Max)  0.5V @ 300mA  Current - Output  300mA  Current - Quiescent (Iq)  - Current - Supply (Max)  100μA ~ 400μA  PSRR  80dB (1kHz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  300mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  80dB (1kHz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package  SOT-223-3	Voltage - Input (Max)	16V
Voltage Dropout (Max)  Current - Output  300mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  80dB (1kHz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Voltage - Output (Min/Fixed)	1.8V
Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  80dB (1kHz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max) $100\mu$ A ~ $400\mu$ APSRR $80dB$ (1kHz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature $-40^{\circ}$ C ~ $125^{\circ}$ CMounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223-3	Voltage Dropout (Max)	0.5V @ 300mA
Current - Supply (Max) $100\mu A \sim 400\mu A$ PSRR $80dB (1kHz)$ Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature $-40^{\circ}$ C ~ $125^{\circ}$ CMounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223-3	Current - Output	300mA
PSRR 80dB (1kHz)  Control Features  Protection Features  Over Current, Over Temperature, Short Circuit  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package  SOT-223-3	Current - Quiescent (Iq)	-
Control Features - Over Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223-3	Current - Supply (Max)	$100\mu A \sim 400\mu A$
Protection Features Over Current, Over Temperature, Short Circuit -40°C ~ 125°C  Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223-3	PSRR	80dB (1kHz)
Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case TO-261-4, TO-261AA  Supplier Device Package SOT-223-3	Control Features	-
Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223-3	Protection Features	Over Current, Over Temperature, Short Circuit
Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223-3	Operating Temperature	-40°C ~ 125°C
Supplier Device Package SOT-223-3	Mounting Type	Surface Mount
	Package / Case	TO-261-4, TO-261AA
Report errors?	Supplier Device Package	SOT-223-3
		Report errors?

### MCP1755S-1802E/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.

### MCP1755S-1802E/DB Payment Methods



















## MCP1755S-1802E/DB Shipping Methods













If you have any question about MCP1755S-1802E/DB, please do not hesitate to contact us!

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