

MCP1700T-5002E/MBVAO

MCP1700T-5002E/MBVAO Information



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.



MCP1700T-5002E/MBVAO Specifications

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - LinearPackageTO-243AASeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput ConfigurationFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage - Output (Max)0.35V @ 250mACurrent - Output200mACurrent - Quiescent (Iq)4µACurrent - Supply (Max)-PSRR4dB (100Hz)Control FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature4u%C ~ 125°CMounting TypeGro243AAPackage / CaseTO-243AA		
Category Integrated Circuits (ICs) Package TO-243AA Package Automotive, AEC-Q100 Output Configuration Positive Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 0.35V @ 250mA Current - Output 250mA Current - Quiescent (Iq) 4µA Current - Supply (Max) - PSRR 44B (100Hz) Control Features Over Current, Over Temperature, Short Circuit Operating Temperature -0°C ~ 125°C Mounting Type Surface Mount Package / Case TO-243AA	Manufacturer Part Number	MCP1700T-5002E/MBVAO
PMIC - Voltage Regulators - LinearPackageTO-243AASeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage - Output (Max)-Voltage - Output (Max)250mACurrent - Output250mACurrent - Quiescent (Iq)4µACurrent - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection Features-Portection Features-Package / CaseSurface MountPackage / CaseSOT-89-3	Manufacturer	Microchip Technology
PackageTO-243AASeriesAutomotive, AEC-Q100Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage - Output (Max)0.35V @ 250mACurrent - Output250mACurrent - Quiescent (Iq)4µACurrent - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-89-3	Category	Integrated Circuits (ICs)
Automotive, AEC-Q100 Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) . Voltage - Output (Max) 0.35V @ 250mA Current - Output 250mA Current - Output 4μA Current - Supply (Max) . PSRR 44dB (100Hz) Control Features . Protection Features . Operating Temperature 440°C ~ 125°C Mounting Type Surface Mount Package / Case SOT-89-3		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage - Output (Max)0.35V @ 250mACurrent - Output250mACurrent - Quiescent (Iq)4µACurrent - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating TemperatureSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Package	TO-243AA
Process Fixed Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 0.35V @ 250mA Current - Output 250mA Current - Output 4µA Current - Supply (Max) - PSRR 44dB (100Hz) Control Features - Protection Features Over Current, Over Temperature, Short Circuit Operating Temperature Surface Mount Package / Case TO-243AA Supplier Device Package SOT-89-3	Series	Automotive, AEC-Q100
Number of Regulators1Number of Regulators6VVoltage - Input (Max)6VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)0.35V @ 250mACurrent - Output250mACurrent - Quiescent (Iq)4µACurrent - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature4u ² C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-89-3	Output Configuration	Positive
Voltage - Input (Max)6VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)0.35V @ 250mACurrent - Output250mACurrent - Quiescent (Iq)4µACurrent - Supply (Max)-PSRR44dB (100Hz)Control FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseSOT-89-3	Output Type	Fixed
Voltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)0.35V @ 250mACurrent - Output250mACurrent - Quiescent (Iq)4µACurrent - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Number of Regulators	1
Voltage - Output (Max)-Voltage Dropout (Max)0.35V @ 250mACurrent - Output250mACurrent - Quiescent (Iq)4µACurrent - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Voltage - Input (Max)	6V
Voltage Dropout (Max)0.35V @ 250mACurrent - Output250mACurrent - Quiescent (Iq)4μACurrent - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Voltage - Output (Min/Fixed)	5V
Current - Output250mACurrent - Quiescent (Iq)4μACurrent - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Voltage - Output (Max)	-
Current - Quiescent (Iq)4μACurrent - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Voltage Dropout (Max)	0.35V @ 250mA
Current - Supply (Max)-PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Current - Output	250mA
PSRR44dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Current - Quiescent (Iq)	4μΑ
Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Current - Supply (Max)	-
Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	PSRR	44dB (100Hz)
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Control Features	-
Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Protection Features	Over Current, Over Temperature, Short Circuit
Package / CaseTO-243AASupplier Device PackageSOT-89-3	Operating Temperature	-40°C ~ 125°C
Supplier Device Package SOT-89-3	Mounting Type	Surface Mount
	Package / Case	TO-243AA
Report errors?	Supplier Device Package	SOT-89-3
		Report errors?

MCP1700T-5002E/MBVAO 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.

MCP1700T-5002E/MBVAO Payment Methods



If you have any question about MCP1700T-5002E/MBVAO, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com