

# MCP1826ST-1202E/EB

#### MCP1826ST-1202E/EB Information



For Reference Only

Part Number MCP1826ST-1202E/EB
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LINEAR 1.2V 1A 3DDPAK

Package TO-263-4, D2Pak (3 Leads + Tab), TO-263AA

For the pricing/inventory/lead time, please contact

us

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



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**Description** 









## MCP1826ST-1202E/EB Specifications

Manufacturer Part Number         MCP1826ST-1202E/EB           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         1.2V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.4V @ 1A           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         220µA           PSRR         60dB (100Hz)           Control Features         -           Protection Features         Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Supplier Device Package         3-DDPAK	•		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         1.2V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.4V @ 1A           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         220µA           PSRR         60dB (100Hz)           Control Features         -           Protection Features         Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Supplier Device Package         3-DDPAK	Manufacturer Part Number	MCP1826ST-1202E/EB	
Package TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Series - Output Configuration Positive Output Type Fixed  Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 1.2V Voltage - Output (Max) - Voltage Dropout (Max) 0.4V @ 1A  Current - Output 1A  Current - Quiescent (Iq) - Current - Supply (Max) 220μA  PSRR 60dB (100Hz)  Control Features Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature Ackage TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package 3-DDPAK	Manufacturer	Microchip Technology	
Package         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         1.2V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.4V @ 1A           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         220μA           PSRR         60dB (100Hz)           Control Features         -           Protection Features         Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Supplier Device Package         3-DDPAK	Category	Integrated Circuits (ICs)	
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.4V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)220μAPSRR60dB (100Hz)Control Features-Protection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-4, D2Pak (3 Leads + Tab), TO-263AASupplier Device Package3-DDPAK		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.4V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)220μAPSRR60dB (100Hz)Control Features-Protection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-4, D2Pak (3 Leads + Tab), TO-263AASupplier Device Package3-DDPAK	Package	TO-263-4, D2Pak (3 Leads + Tab), TO-263AA	
Output TypeFixedNumber of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.4V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)220µAPSRR60dB (100Hz)Control Features-Protection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-4, D2Pak (3 Leads + Tab), TO-263AASupplier Device Package3-DDPAK	Series	-	
Number of Regulators1Voltage - Input (Max)6VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Voltage Dropout (Max)0.4V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)220μAPSRR60dB (100Hz)Control Features-Protection FeaturesOver Temperature, Short Circuit, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-4, D2Pak (3 Leads + Tab), TO-263AASupplier Device Package3-DDPAK	Output Configuration	Positive	
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  1.2V  Voltage - Output (Max)  Voltage Dropout (Max)  -  Voltage Dropout (Max)  1A  Current - Output  1A  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  60dB (100Hz)  Control Features  Protection Features  Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  3-DDPAK	Output Type	Fixed	
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  - Voltage Dropout (Max)  0.4V @ 1A  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  220μA  PSRR  60dB (100Hz)  Control Features  - Protection Features  Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  3-DDPAK	Number of Regulators	1	
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  220μA  PSRR  60dB (100Hz)  Control Features  - Protection Features  Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature  Auo°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package	Voltage - Input (Max)	6V	
Voltage Dropout (Max)  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  60dB (100Hz)  Control Features  Protection Features  Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  3-DDPAK	Voltage - Output (Min/Fixed)	1.2V	
Current - Output  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  60dB (100Hz)  Control Features  - Protection Features  Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  3-DDPAK	Voltage - Output (Max)	-	
Current - Quiescent (Iq)  Current - Supply (Max)  220μA  PSRR  60dB (100Hz)  Control Features  -  Protection Features  Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  3-DDPAK	Voltage Dropout (Max)	0.4V @ 1A	
Current - Supply (Max)  220μA  PSRR  60dB (100Hz)  Control Features  -  Protection Features  Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  3-DDPAK	Current - Output	1A	
PSRR 60dB (100Hz)  Control Features -  Protection Features Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package 3-DDPAK	Current - Quiescent (Iq)	-	
Control Features  Protection Features  Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  3-DDPAK	Current - Supply (Max)	220μΑ	
Protection Features Over Temperature, Short Circuit, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA Supplier Device Package 3-DDPAK	PSRR	60dB (100Hz)	
Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package 3-DDPAK	Control Features	-	
Mounting Type Surface Mount  Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package 3-DDPAK	Protection Features	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	
Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA Supplier Device Package 3-DDPAK	Operating Temperature	-40°C ~ 125°C	
Supplier Device Package 3-DDPAK	Mounting Type	Surface Mount	
	Package / Case	TO-263-4, D2Pak (3 Leads + Tab), TO-263AA	
Report errors?	Supplier Device Package	3-DDPAK	
			Report errors?

#### MCP1826ST-1202E/EB 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.

### MCP1826ST-1202E/EB Payment Methods



















## MCP1826ST-1202E/EB Shipping Methods













If you have any question about MCP1826ST-1202E/EB, please do not hesitate to contact us!

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