



#### **BA78M20CP-E2 Information**



For Reference Only

Part Number BA78M20CP-E2
Manufacturer Rohm Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LIN 20V 500MA TO220CP-3

Package TO-220-3 Cropped Leads

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**

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.









# **BA78M20CP-E2 Specifications**

Manufacturer Part Number         BA78M20CP-E2           Manufacturer         Rohm Semiconductor           Category         Integrated Circuits (ICs)           PAIC - Voltage Regulators - Linear           Package         TO-220-3 Cropped Leads           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         33V           Voltage - Output (Min/Fixed)         20V           Voltage - Output (Max)         -           Voltage Dropout (Max)         2V @ 500mA (Typ)           Current - Output         500mA           Current - Supply (Max)         4.5mA ~ 6mA           PSRR         58dB (120Hz)           Control Features         Over Current, Over Temperature           Operating Temperature         4.0°C ~ 85°C           Mounting Type         Through Hole           Package / Case         TO-220-3 Cropped Leads           Supplier Device Package         TO-220-3 Cropped Leads		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         TO-220-3 Cropped Leads           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         33V           Voltage - Output (Min/Fixed)         20V           Voltage - Output (Max)         -           Voltage Dropout (Max)         2V @ 500mA (Typ)           Current - Output         500mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         4.5mA ~ 6mA           PSRR         58dB (120Hz)           Control Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 85°C           Mounting Type         Through Hole           Package / Case         TO-220-3 Cropped Leads           Supplier Device Package         TO-220CP-3	Manufacturer Part Number	BA78M20CP-E2
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Series - Coutput Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 33V Voltage - Output (Min/Fixed) 20V Voltage - Output (Max) - Voltage - Output (Max) 2V @ 500mA (Typ) Current - Output S00mA Current - Quiescent (Iq) - Current - Supply (Max) 4.5mA ~ 6mA PSRR 58dB (120Hz) Control Features Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case Supplier Device Package TO-220CP-3		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)33VVoltage - Output (Min/Fixed)20VVoltage - Output (Max)-Voltage Dropout (Max)2V @ 500mA (Typ)Current - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)4.5mA ~ 6mAPSRR58dB (120Hz)Control Features-Protection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / CaseTO-220-3 Cropped LeadsSupplier Device PackageTO-220CP-3	Package	TO-220-3 Cropped Leads
Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         33V           Voltage - Output (Min/Fixed)         20V           Voltage - Output (Max)         -           Voltage Dropout (Max)         2V @ 500mA (Typ)           Current - Output         500mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         4.5mA ~ 6mA           PSRR         58dB (120Hz)           Control Features         -           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 85°C           Mounting Type         Through Hole           Package / Case         TO-220-3 Cropped Leads           Supplier Device Package         TO-220CP-3	Series	-
Number of Regulators  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage Dropout (Max)  Voltage Dropout (Max)  Current - Output  So0mA  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  Stadb (120Hz)  Control Features  Protection Features  Over Current, Over Temperature  Operating Temperature  Auo°C ~ 85°C  Mounting Type  Through Hole  Package / Case  Supplier Device Package  TO-220-3  To-220-3  To-220-7  Toutput  Control Features  To-220-3  To-220-3  To-220-3	Output Configuration	Positive
Voltage - Input (Max)33VVoltage - Output (Min/Fixed)20VVoltage - Output (Max)-Voltage Dropout (Max)2V @ 500mA (Typ)Current - Output500mACurrent - Quiescent (Iq)-Current - Supply (Max)4.5mA ~ 6mAPSRR58dB (120Hz)Control Features-Protection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / CaseTO-220-3 Cropped LeadsSupplier Device PackageTO-220CP-3	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  - Voltage Dropout (Max)  2V @ 500mA (Typ)  Current - Output  500mA  Current - Quiescent (Iq)  - Current - Supply (Max)  4.5mA ~ 6mA  PSRR  58dB (120Hz)  Control Features  - Protection Features  Over Current, Over Temperature  Operating Temperature  40°C ~ 85°C  Mounting Type  Through Hole  Package / Case  Supplier Device Package  TO-220CP-3	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  2V @ 500mA (Typ)  Current - Output  500mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  58dB (120Hz)  Control Features  - Protection Features  Operating Temperature  Operating Temperature  Mounting Type  Through Hole  Package / Case  Supplier Device Package  - Ver 500mA (Typ)  500mA  - Current - Output  - Control Features  - Current - Output  -	Voltage - Input (Max)	33V
Voltage Dropout (Max)  Current - Output  500mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  58dB (120Hz)  Control Features  - Protection Features  Operating Temperature  Operating Type  Mounting Type  Through Hole  Package / Case  Supplier Device Package  TO-220CP-3	Voltage - Output (Min/Fixed)	20V
Current - Output 500mA  Current - Quiescent (Iq) -  Current - Supply (Max) 4.5mA ~ 6mA  PSRR 58dB (120Hz)  Control Features -  Protection Features Over Current, Over Temperature  Operating Temperature -40°C ~ 85°C  Mounting Type Through Hole  Package / Case TO-220-3 Cropped Leads  Supplier Device Package	Voltage - Output (Max)	-
Current - Quiescent (Iq)  Current - Supply (Max)  4.5mA ~ 6mA  PSRR  58dB (120Hz)  Control Features  -  Protection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 85°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Cropped Leads  Supplier Device Package	Voltage Dropout (Max)	2V @ 500mA (Typ)
Current - Supply (Max)  4.5mA ~ 6mA  PSRR  58dB (120Hz)  Control Features  - Protection Features  Over Current, Over Temperature  -40°C ~ 85°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Cropped Leads  Supplier Device Package  TO-220CP-3	Current - Output	500mA
PSRR 58dB (120Hz)  Control Features -  Protection Features Over Current, Over Temperature  Operating Temperature -40°C ~ 85°C  Mounting Type Through Hole  Package / Case TO-220-3 Cropped Leads  Supplier Device Package TO-220CP-3	Current - Quiescent (Iq)	-
Control Features - Over Current, Over Temperature Operating Temperature -40°C ~ 85°C Mounting Type Through Hole Package / Case TO-220-3 Cropped Leads Supplier Device Package TO-220CP-3	Current - Supply (Max)	4.5mA ~ 6mA
Protection Features Over Current, Over Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Through Hole $-20^{\circ}\text{C} \sim 85^{\circ}\text{C}$ To-220-3 Cropped Leads $-20^{\circ}\text{C} \sim 85^{\circ}\text{C}$ TO-220-3 Cropped Leads $-20^{\circ}\text{C} \sim 85^{\circ}\text{C}$ TO-220-3 Cropped Leads $-20^{\circ}\text{C} \sim 85^{\circ}\text{C}$	PSRR	58dB (120Hz)
Operating Temperature  -40°C ~ 85°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Cropped Leads  Supplier Device Package  TO-220CP-3	Control Features	-
Mounting Type Through Hole Package / Case TO-220-3 Cropped Leads Supplier Device Package TO-220CP-3	Protection Features	Over Current, Over Temperature
Package / Case TO-220-3 Cropped Leads Supplier Device Package TO-220CP-3	Operating Temperature	-40°C ~ 85°C
Supplier Device Package TO-220CP-3	Mounting Type	Through Hole
	Package / Case	TO-220-3 Cropped Leads
Report errors?	Supplier Device Package	TO-220CP-3
		Report errors?

#### **BA78M20CP-E2 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.

### **BA78M20CP-E2 Payment Methods**



















# **BA78M20CP-E2 Shipping Methods**













If you have any question about BA78M20CP-E2, please do not hesitate to contact us!

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