



### **BA17806CP-E2 Information**



For Reference Only

Part Number BA17806CP-E2

Manufacturer Rohm Semiconductor

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 6V 1A 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



Request a Quote

# **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.









## **BA17806CP-E2 Specifications**

Manufacturer Part Number         BA17806CP-E2           Manufacturer         Rohm Semiconductor           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)         21V           Voltage - Output (Min/Fixed)         6V           Voltage - Output (Max)         -           Voltage Dropout (Max)         2V @ 1A (Typ)           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         4.5mA ~ 6mA           PSRR         73dB (120Hz)           Control Features         -           Protection Features         -           Operating Temperature         4.0°C ~ 85°C           Mounting Type         Through Hole           Package / Case         TO-220-3 Cropped Leads           Supplier Device Package         TO-220CP-3	*	
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)         21V           Voltage - Output (Min/Fixed)         6V           Voltage - Output (Max)         -           Voltage Dropout (Max)         2V @ 1A (Typ)           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         4.5mA ~ 6mA           PSRR         73dB (120Hz)           Control Features         -           Protection Features         -           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	BA17806CP-E2
Package         TO-220-3 Cropped Leads           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         21V           Voltage - Output (Min/Fixed)         6V           Voltage - Output (Max)         -           Voltage Dropout (Max)         2V @ 1A (Typ)           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         4.5mA ~ 6mA           PSRR         73dB (120Hz)           Control Features         -           Protection Features         -           Operating Temperature         -40°C ~ 85°C           Mounting Type         Through Hole           Package / Case         TO-220-3 Cropped Leads           Supplier Device Package         TO-220CP-3	Manufacturer	Rohm Semiconductor
Package         TO-220-3 Cropped Leads           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         21V           Voltage - Output (Min/Fixed)         6V           Voltage - Output (Max)         -           Voltage Dropout (Max)         2V @ 1A (Typ)           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         4.5mA ~ 6mA           PSRR         73dB (120Hz)           Control Features         -           Protection Features         -           Operating Temperature         -40°C ~ 85°C           Mounting Type         Through Hole           Package / Case         TO-220-3 Cropped Leads           Supplier Device Package         TO-220CP-3	Category	Integrated Circuits (ICs)
Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         21V           Voltage - Output (Min/Fixed)         6V           Voltage - Output (Max)         -           Voltage Dropout (Max)         2V @ 1A (Typ)           Current - Output         1A           Current - Quiescent (Iq)         -           Current - Supply (Max)         4.5mA ~ 6mA           PSRR         73dB (120Hz)           Control Features         -           Protection Features         -           Operating Temperature         -40°C ~ 85°C           Mounting Type         Through Hole           Package / Case         TO-220-3 Cropped Leads           Supplier Device Package         TO-220CP-3		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)21VVoltage - Output (Min/Fixed)6VVoltage - Output (Max)-Voltage Dropout (Max)2V @ 1A (Typ)Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)4.5mA ~ 6mAPSRR73dB (120Hz)Control Features-Protection Features-Operating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / CaseTO-220-3 Cropped LeadsSupplier Device PackageTO-220CP-3	Package	TO-220-3 Cropped Leads
Output TypeFixedNumber of Regulators1Voltage - Input (Max)21VVoltage - Output (Min/Fixed)6VVoltage - Output (Max)-Voltage Dropout (Max)2V @ 1A (Typ)Current - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)4.5mA ~ 6mAPSRR73dB (120Hz)Control Features-Protection Features-Operating Temperature-40°C ~ 85°CMounting TypeThrough HolePackage / CaseTO-220-3 Cropped LeadsSupplier Device PackageTO-220CP-3	Series	-
Number of Regulators  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  1A  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  73dB (120Hz)  Control Features  Protection Features  -  Protection Features  Operating Temperature  4-0°C ~ 85°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Cropped Leads  Supplier Device Package	Output Configuration	Positive
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  6V  Voltage - Output (Max)  - Voltage Dropout (Max)  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  73dB (120Hz)  Control Features  Protection Features  - Operating Temperature  Mounting Type  Package / Case  TO-220-3 Cropped Leads  Supplier Device Package	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  - Voltage Dropout (Max)  Current - Output  IA  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  73dB (120Hz)  Control Features  Protection Features  Operating Temperature  Mounting Type  Through Hole  Package / Case  Supplier Device Package  6V  0 20  A 5 M  A C  A (Typ)  A	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  2V @ 1A (Typ)  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  73dB (120Hz)  Control Features  - Protection Features  Operating Temperature  Mounting Type  Through Hole  Package / Case  Supplier Device Package  TO-220CP-3	Voltage - Input (Max)	21V
Voltage Dropout (Max)  Current - Output  1A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  73dB (120Hz)  Control Features  - Protection Features  - 40°C ~ 85°C  Mounting Type  Through Hole  Package / Case  Supplier Device Package  TO-220CP-3	Voltage - Output (Min/Fixed)	6V
Current - Output  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  73dB (120Hz)  Control Features  - Protection Features  Operating Temperature  -40°C ~ 85°C  Mounting Type  Through Hole  Package / Case  Supplier Device Package  TO-220CP-3	Voltage - Output (Max)	-
Current - Quiescent (Iq)  Current - Supply (Max)  4.5mA ~ 6mA  PSRR  73dB (120Hz)  Control Features  - Protection Features  Operating Temperature  40°C ~ 85°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Cropped Leads  Supplier Device Package	Voltage Dropout (Max)	2V @ 1A (Typ)
Current - Supply (Max)  PSRR  73dB (120Hz)  Control Features  - Protection Features  - Operating Temperature  -40°C ~ 85°C  Mounting Type  Through Hole  Package / Case  TO-220-3 Cropped Leads  Supplier Device Package	Current - Output	1A
PSRR 73dB (120Hz)  Control Features -  Protection Features -  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 - Protection Features - 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 - Operating Temperature -40°C ~ 85°C  Mounting Type Through Hole  Package / Case TO-220-3 Cropped Leads  Supplier Device Package TO-220CP-3	PSRR	73dB (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	-
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?

#### **BA17806CP-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.

### **BA17806CP-E2 Payment Methods**





















### **BA17806CP-E2 Shipping Methods**













If you have any question about BA17806CP-E2, please do not hesitate to contact us!

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