



AP1086T50L-U Information



For Reference Only

Part NumberAP1086T50L-UManufacturerDiodes IncorporatedCategoryIntegrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 5V 1.5A TO220-3

Package TO-220-3

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.









AP1086T50L-U Specifications

Manufacturer Part Number AP1086T50L-U Manufacturer Diodes Incorporated Category Integrated Circuits (ICs) PACKAGE TO-220-3 Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 12V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 60dB (120Hz) Control Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3 Report errors?	.	
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package TO-220-3 Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 12V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.4V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 60dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	Manufacturer Part Number	AP1086T50L-U
Package TO-220-3 Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 12V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.4V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 60dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	Manufacturer	Diodes Incorporated
Package TO-220-3 Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 12V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.4V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 60dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	Category	Integrated Circuits (ICs)
Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 12V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.4V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 60dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3		PMIC - Voltage Regulators - Linear
Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 12V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.4V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 60dB (120Hz) Control Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	Package	TO-220-3
Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 12V Voltage - Output (Min/Fixed) 5V Voltage - Output (Max) - Voltage Dropout (Max) 1.4V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 60dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	Series	-
Number of Regulators1Voltage - Input (Max)12VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.4V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)10mAPSRR60dB (120Hz)Control Features-Protection FeaturesOver Current, Over TemperatureOperating Temperature0°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220-3	Output Configuration	Positive
Voltage - Input (Max)12VVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Voltage Dropout (Max)1.4V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)10mAPSRR60dB (120Hz)Control Features-Protection FeaturesOver Current, Over TemperatureOperating Temperature0°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220-3	Output Type	Fixed
Voltage - Output (Min/Fixed) Voltage - Output (Max) - Voltage Dropout (Max) 1.4V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 60dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case Supplier Device Package TO-220-3	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) 1.4V @ 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 60dB (120Hz) Control Features - Protection Features Operating Temperature Operating Type Mounting Type Through Hole Package / Case Supplier Device Package	Voltage - Input (Max)	12V
Voltage Dropout (Max) Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 60dB (120Hz) Control Features - Protection Features Operating Temperature Operating Type Mounting Type Through Hole Package / Case Supplier Device Package 1.4V @ 1.5A 1.5A 1.6A - Current - Quiescent (Iq) - Owa Current - Quiescent (Iq) - Owa Current - Quiescent (Iq) - Current - Supply (Max) - Current - Quiescent (Iq) - Current - Supply (Max) -	Voltage - Output (Min/Fixed)	5V
Current - Output Current - Quiescent (Iq) Current - Supply (Max) PSRR 60dB (120Hz) Control Features - Protection Features Operating Temperature Operating Type Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package	Voltage - Output (Max)	-
Current - Quiescent (Iq) Current - Supply (Max) PSRR 60dB (120Hz) Control Features - Protection Features Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package	Voltage Dropout (Max)	1.4V @ 1.5A
Current - Supply (Max) PSRR 60dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package	Current - Output	1.5A
PSRR 60dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	Current - Quiescent (Iq)	-
Control Features - Over Current, Over Temperature Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	Current - Supply (Max)	10mA
Protection Features Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	PSRR	60dB (120Hz)
Operating Temperature 0°C ~ 125°C Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	Control Features	-
Mounting Type Through Hole Package / Case TO-220-3 Supplier Device Package TO-220-3	Protection Features	Over Current, Over Temperature
Package / Case TO-220-3 Supplier Device Package TO-220-3	Operating Temperature	0°C ~ 125°C
Supplier Device Package TO-220-3	Mounting Type	Through Hole
	Package / Case	TO-220-3
Report errors?	Supplier Device Package	TO-220-3
		Report errors?

AP1086T50L-U 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.

AP1086T50L-U Payment Methods



















AP1086T50L-U Shipping Methods













If you have any question about AP1086T50L-U, please do not hesitate to contact us!

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