



AP1184K5-25L-U Information



For Reference Only

Part Number AP1184K5-25L-U

Manufacturer Diodes Incorporated

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 2.5V 4A TO263-5

Package TO-263-6, D2Pak (5 Leads + Tab), TO-263BA

For the pricing/inventory/lead time, please contact

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



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AP1184K5-25L-U Specifications

Manufacturer Part NumberAP1184K5-25L-UManufacturerDiodes IncorporatedCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackageTO-263-6, D2Pak (5 Leads + Tab), TO-263BASeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)16VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.85V @ 4ACurrent - Output4ACurrent - Quiescent (Iq)-Current - Supply (Max)25mA ~ 70mAPSRR70dB (120Hz)Control Features-Protection FeaturesOver Current, Over TemperatureOperating Temperature0°C ~ 125°CMounting TypeSurface Mount	.	
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package TO-263-6, D2Pak (5 Leads + Tab), TO-263BA Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 16V Voltage - Output (Min/Fixed) 2.5V Voltage - Output (Max) - Voltage Dropout (Max) 0.85V @ 4A Current - Output Current - Quiescent (Iq) - Current - Supply (Max) PSRR 70dB (120Hz) Control Features Operating Temperature Ogerating Temperature	Manufacturer Part Number	AP1184K5-25L-U
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Series - Coutput Configuration Positive Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 16V Voltage - Output (Min/Fixed) 2.5V Voltage - Output (Max) - Coutput (Max) 0.85V @ 4A Current - Output (Max) 4A Current - Quiescent (Iq) - Current - Supply (Max) 25mA ~ 70mA PSRR 70dB (120Hz) Control Features - Over Current, Over Temperature Operating Temperature 00°C ~ 125°C		PMIC - Voltage Regulators - Linear
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Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 16V Voltage - Output (Min/Fixed) 2.5V Voltage - Output (Max) - Voltage Dropout (Max) 0.85V @ 4A Current - Output 4A Current - Quiescent (Iq) - Current - Supply (Max) 25mA ~ 70mA PSRR 70dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C	Series	-
Number of Regulators Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) - Voltage Dropout (Max) 0.85V @ 4A Current - Output 4A Current - Quiescent (Iq) - Current - Supply (Max) 25mA ~ 70mA PSRR 70dB (120Hz) Control Features Protection Features Over Current, Over Temperature Operating Temperature	Output Configuration	Positive
Voltage - Input (Max) Voltage - Output (Min/Fixed) 2.5V Voltage - Output (Max) - Voltage Dropout (Max) 0.85V @ 4A Current - Output 4A Current - Quiescent (Iq) - Current - Supply (Max) 25mA ~ 70mA PSRR 70dB (120Hz) Control Features Protection Features Over Current, Over Temperature O°C ~ 125°C	Output Type	Fixed
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Voltage - Output (Max) Voltage Dropout (Max) 0.85V @ 4A Current - Output 4A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 70dB (120Hz) Control Features - Protection Features Operating Temperature 0°C ~ 125°C	Voltage - Input (Max)	16V
Voltage Dropout (Max) Current - Output 4A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 70dB (120Hz) Control Features Operating Temperature 0°C ~ 125°C	Voltage - Output (Min/Fixed)	2.5V
Current - Output 4A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 70dB (120Hz) Control Features - Protection Features Operating Temperature 4A 4A Current - Quiescent (Iq) - Current - Supply (Max) 25mA ~ 70mA 70dB (120Hz) - Over Current, Over Temperature 0°C ~ 125°C	Voltage - Output (Max)	-
Current - Quiescent (Iq) Current - Supply (Max) PSRR 70dB (120Hz) Control Features - Protection Features Operating Temperature - Over Current, Over Temperature O°C ~ 125°C	Voltage Dropout (Max)	0.85V @ 4A
Current - Supply (Max) 25mA ~ 70mA PSRR 70dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 125°C	Current - Output	4A
PSRR 70dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature $0^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Current - Quiescent (Iq)	-
Control Features - Protection Features Over Current, Over Temperature Operating Temperature $0^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Current - Supply (Max)	$25\text{mA} \sim 70\text{mA}$
Protection Features Over Current, Over Temperature $0^{\circ}\text{C} \sim 125^{\circ}\text{C}$	PSRR	70dB (120Hz)
Operating Temperature $0^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Control Features	-
	Protection Features	Over Current, Over Temperature
Mounting Type Surface Mount	Operating Temperature	0°C ~ 125°C
	Mounting Type	Surface Mount
Package / Case TO-263-6, D2Pak (5 Leads + Tab), TO-263BA	Package / Case	TO-263-6, D2Pak (5 Leads + Tab), TO-263BA
Supplier Device Package TO-263-5	Supplier Device Package	TO-263-5
Report errors?		Report errors?

AP1184K5-25L-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.

AP1184K5-25L-U Payment Methods





















AP1184K5-25L-U Shipping Methods













If you have any question about AP1184K5-25L-U, please do not hesitate to contact us!

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