



RT9018B-18GQW Information



For Reference Only

Part NumberRT9018B-18GQWManufacturerRichtek USA Inc.

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR POS ADJ 3A 10FN

Package 10-WFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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RT9018B-18GQW Specifications

Manufacturer Part NumberRT9018B-18GQWManufacturerRichtek USA Inc.CategoryIntegrated Circuits (ICs)Package10-WFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustable (Fixed)Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8V (1.8V)Voltage - Output (Max)5.15VVoltage Dropout (Max)0.35V @ 3ACurrent - Output3ACurrent - Quiescent (Iq)-Current - Supply (Max)1.2mAPSRR-Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 85°C		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage10-WFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeAdjustable (Fixed)Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8V (1.8V)Voltage - Output (Max)5.15VVoltage Dropout (Max)0.35V @ 3ACurrent - Output3ACurrent - Quiescent (Iq)-Current - Supply (Max)1.2mAPSRR-Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature	Manufacturer Part Number	RT9018B-18GQW
Package 10-WFDFN Exposed Pad Series - Output Configuration Positive Output Type Adjustable (Fixed) Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 0.8V (1.8V) Voltage - Output (Max) 5.15V Voltage Dropout (Max) 0.35V @ 3A Current - Output 3A Current - Quiescent (Iq) - Current - Supply (Max) 1.2mA PSRR - Control Features Enable, Power Good Protection Features Output (Max) Over Current, Over Temperature	Manufacturer	Richtek USA Inc.
Package 10-WFDFN Exposed Pad Series - Output Configuration Positive Output Type Adjustable (Fixed) Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 0.8V (1.8V) Voltage - Output (Max) 5.15V Voltage Dropout (Max) 0.35V @ 3A Current - Output (Max) 3A Current - Quiescent (Iq) - Current - Supply (Max) 1.2mA PSRR - Control Features Enable, Power Good Protection Features Output (Mex) Over Current, Over Temperature	Category	Integrated Circuits (ICs)
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Output ConfigurationPositiveOutput TypeAdjustable (Fixed)Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.8V (1.8V)Voltage - Output (Max)5.15VVoltage Dropout (Max)0.35V @ 3ACurrent - Output3ACurrent - Quiescent (Iq)-Current - Supply (Max)1.2mAPSRR-Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature	Package	10-WFDFN Exposed Pad
Output Type Adjustable (Fixed) Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 0.8V (1.8V) Voltage - Output (Max) 5.15V Voltage Dropout (Max) 0.35V @ 3A Current - Output 3A Current - Quiescent (Iq) - Current - Supply (Max) 1.2mA PSRR - Control Features Enable, Power Good Protection Features Over Current, Over Temperature	Series	-
Number of Regulators Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) Voltage Dropout (Max) Current - Output 3A Current - Quiescent (Iq) Current - Supply (Max) PSRR - Control Features Enable, Power Good Protection Features	Output Configuration	Positive
Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) Voltage Dropout (Max) Current - Output 3A Current - Quiescent (Iq) Current - Supply (Max) PSRR - Control Features Enable, Power Good Protection Features	Output Type	Adjustable (Fixed)
Voltage - Output (Min/Fixed)0.8V (1.8V)Voltage - Output (Max)5.15VVoltage Dropout (Max)0.35V @ 3ACurrent - Output3ACurrent - Quiescent (Iq)-Current - Supply (Max)1.2mAPSRR-Control FeaturesEnable, Power GoodProtection FeaturesOver Current, Over Temperature	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) Current - Output 3A Current - Quiescent (Iq) Current - Supply (Max) PSRR - Control Features Enable, Power Good Protection Features 5.15V 5.15V 5.15V 5.15V 1.2mA Finally (Max) 5.15V 1.2mA PSRR Control Features Enable, Power Good Over Current, Over Temperature	Voltage - Input (Max)	5.5V
Voltage Dropout (Max) Current - Output 3A Current - Quiescent (Iq) - Current - Supply (Max) PSRR - Control Features Enable, Power Good Protection Features Over Current, Over Temperature	Voltage - Output (Min/Fixed)	0.8V (1.8V)
Current - Output 3A Current - Quiescent (Iq) - Current - Supply (Max) 1.2mA PSRR - Control Features Enable, Power Good Protection Features Over Current, Over Temperature	Voltage - Output (Max)	5.15V
Current - Quiescent (Iq) Current - Supply (Max) 1.2mA PSRR - Control Features Enable, Power Good Protection Features Over Current, Over Temperature	Voltage Dropout (Max)	0.35V @ 3A
Current - Supply (Max) PSRR - Control Features Enable, Power Good Protection Features Over Current, Over Temperature	Current - Output	3A
PSRR - Control Features Enable, Power Good Protection Features Over Current, Over Temperature	Current - Quiescent (Iq)	-
Control Features Enable, Power Good Protection Features Over Current, Over Temperature	Current - Supply (Max)	1.2mA
Protection Features Over Current, Over Temperature	PSRR	-
	Control Features	Enable, Power Good
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Protection Features	Over Current, Over Temperature
	Operating Temperature	-40°C ~ 85°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 10-WFDFN Exposed Pad	Package / Case	10-WFDFN Exposed Pad
Supplier Device Package 10-WDFN (3x3)	Supplier Device Package	10-WDFN (3x3)
Report errors?		Report errors?

RT9018B-18GQW 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.

RT9018B-18GQW Payment Methods



















RT9018B-18GQW Shipping Methods













If you have any question about RT9018B-18GQW, please do not hesitate to contact us!

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