

RT9011-KMGQWC

RT9011-KMGQWC Information



Part Number	RT9011-KMGQWC	
Manufacturer	Richtek USA Inc.	
Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear	
Description	IC REG LIN 2.6/2.8V 6WDFN	
Package	6-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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RT9011-KMGQWC Specifications

Manufacturer Part NumberRT9011-KMGQWCManufacturerRichtek USA Inc.CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - LinearPackage6-WFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 300mACurrent - Supply (Max)6UµAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Portection FeaturesGover Current, Over Temperature, Short CircuitOperating Temperature40°C ~ 85°CMounting TypeSurface MountMounting TypeSurface Mount		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - LinearPackage6-WFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Mar).6VVoltage Dropout (Max).4VCurrent - Output.33V @ 300mA, 0.33V @ 300mACurrent - Quiescent (Iq).4USRROdB ~ 38dB (100Hz ~ 300kHz)Potection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature.40°C ~ 85°C	Manufacturer Part Number	RT9011-KMGQWC
PackagePMIC - Voltage Regulators - LinearPackage6-WFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.6V, 2.8VVoltage - Output (Max)0.33V @ 300mA, 0.33V @ 300mAVoltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)80μAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection Features-40°C ~ 85°C	Manufacturer	Richtek USA Inc.
Package6-WFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.6V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)80µAPSRR70dB ~ 38dB (10Hz ~ 300kHz)Control FeaturesGover Current, Over Temperature, Short CircuitOperating Temperature44°C ~ 85°C	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.6V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)80µAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesDover Current, Over Temperature, Short CircuitOperating Temperature40°C ~ 85°C		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.6V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Voltage Type (Max)60µAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection Features0.ver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Package	6-WFDFN Exposed Pad
Output TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.6V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 0.33V @ 300mACurrent - Quiescent (Iq)-Current - Supply (Max)80µAPSRR70lB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection Features-Operating Temperature-40°C ~ 85°C	Series	-
Number of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.6V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 0.33V @ 300mACurrent - Quiescent (Iq)-Current - Supply (Max)80µAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Output Configuration	Positive
Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 2.6V, 2.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.33V @ 300mA, 0.33V @ 300mA Current - Output 300mA, 300mA Current - Quiescent (Iq) - Current - Supply (Max) 80μA PSRR 70dB ~ 38dB (100Hz ~ 300kHz) Control Features Enable Protection Features Over Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 85°C	Output Type	Fixed
Voltage - Output (Min/Fixed)2.6V, 2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)80μAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Number of Regulators	2
Voltage - Output (Max)-Voltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)80μAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)0.33V @ 300mA, 0.33V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)80μAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Voltage - Output (Min/Fixed)	2.6V, 2.8V
Current - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)80μAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)80μAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Voltage Dropout (Max)	0.33V @ 300mA, 0.33V @ 300mA
Current - Supply (Max)80μAPSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Current - Output	300mA, 300mA
PSRR70dB ~ 38dB (100Hz ~ 300kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Current - Quiescent (Iq)	-
Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	Current - Supply (Max)	80μΑ
Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°C	PSRR	70dB ~ 38dB (100Hz ~ 300kHz)
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Control Features	Enable
	Protection Features	Over Current, Over Temperature, Short Circuit
Mounting Type Surface Mount	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
	Mounting Type	Surface Mount
Package / Case 6-WFDFN Exposed Pad	Package / Case	6-WFDFN Exposed Pad
Supplier Device Package6-WDFN (1.6x1.6)	Supplier Device Package	6-WDFN (1.6x1.6)
Report error		Report errors?

RT9011-KMGQWC 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.

RT9011-KMGQWC Payment Methods



RT9011-KMGQWC Shipping Methods



If you have any question about RT9011-KMGQWC, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com