

ISL9012IRMNZ

ISL9012IRMNZ Information

NUM DECEMBER.	ISL9012IRMNZ Renesas Electronics America Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear IC REG LINEAR 3V/3.3V 10DFN 10-VFDFN Exposed Pad For the pricing/inventory/lead time, please contact us	
For Reference Only	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.



ISL9012IRMNZ Specifications

ManufacturerRenease Electronics AmericaManufacturerIntegrated Circuits (ICs)Package10-Voltage Regulators - LinearPackage10-Voltage Regulators - LinearPackage-Output ConfigurationPositiveOutput ConfigurationFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Max)-Voltage - Output (Max)0.2V @ 150mA, 0.325V @ 300mAVoltage Dropout (Max)0.2V @ 150mA, 0.325V @ 300mACurrent - Output04pACurrent - Quiescent (Iq)60µAPSRR-Control FeaturesOutput - Output - Output (Max)Operating Temperature-Operating Temperature-Auge - Control Features-Output Features-				
Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 10-VFDFN Exposed Pad Series - Dutput Configuration Positive Dutput Type Fixed Voltage - Input (Max) 6.5V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 150mA, 0.325V @ 300mA Current - Quiescent (Iq) 40µA Current - Supply (Max) 60µA Current - Supply (Max) - Postection Features - Protection Features Over Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad	Manufacturer Part Number	ISL9012IRMNZ		
PMC - Voltage Regulators - LinearPackage10-VFDFN Exposed PadSeries-Output ConfigurationPositiveDutput ConfigurationPositiveSumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.325V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)40µACurrent - Supply (Max)60µAPSRR-Control FeaturesDover Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Manufacturer	Renesas Electronics America		
Package10-VFDFN Exposed PadSeries-Output ConfigurationPositiveDutput ConfigurationFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3V, 3.3VVoltage - Output (Max)-Voltage - Output (Max)0.2V @ 150mA, 0.325V @ 300mACurrent - Output150mA, 300mACurrent - Output40µACurrent - Supply (Max)60µAPSRR-Control FeaturesEnableProtection Features-Operating Temperature-Alov C ~ 85°CMounting TypePackage / Case10-VFDFN Exposed Pad	Category	Integrated Circuits (ICs)		
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3V, 3.3VVoltage - Output (Max)-Voltage - Output (Max)0.2V @ 150mA, 0.325V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)40µACurrent - Supply (Max)60µAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad		PMIC - Voltage Regulators - Linear		
Dutput Configuration Positive Dutput Type Fixed Number of Regulators 2 Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 3V, 3.3V Voltage - Output (Max) - Voltage Dropout (Max) 0.2V @ 150mA, 0.325V @ 300mA Current - Output 150mA, 300mA Current - Quiescent (Iq) 40µA Current - Supply (Max) 60µA PSRR - Control Features Enable Protection Features Over Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO) Operating Temperature Surface Mount Package / Case 10-VFDFN Exposed Pad	Package	10-VFDFN Exposed Pad		
Dutput Type Fixed Number of Regulators 2 Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 3V, 3.3V Voltage - Output (Max) - Voltage Dropout (Max) 0.2V @ 150mA, 0.325V @ 300mA Current - Output 150mA, 300mA Current - Quiescent (Iq) 40µA Current - Supply (Max) 60µA PSRR - Control Features Enable Protection Features Over Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO) Operating Temperature 40°C ~ 85°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad	Series	-		
Number of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.325V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)40µACurrent - Supply (Max)60µAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountPackage / Case10-VFDFN Exposed Pad	Output Configuration	Positive		
Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.325V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)40µACurrent - Supply (Max)60µAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Output Type	Fixed		
Voltage - Output (Min/Fixed)3V, 3.3VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.325V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)40μACurrent - Supply (Max)60μAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Number of Regulators	2		
Voltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.325V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)40μACurrent - Supply (Max)60μAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Voltage - Input (Max)	6.5V		
Voltage Dropout (Max)0.2V @ 150mA, 0.325V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)40μACurrent - Supply (Max)60μAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Voltage - Output (Min/Fixed)	3V, 3.3V		
Current - Output150mA, 300mACurrent - Quiescent (Iq)40μACurrent - Supply (Max)60μAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Voltage - Output (Max)	-		
Current - Quiescent (Iq)40μACurrent - Supply (Max)60μAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Voltage Dropout (Max)	0.2V @ 150mA, 0.325V @ 300mA		
Current - Supply (Max)60μAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Current - Output	150mA, 300mA		
PSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Current - Quiescent (Iq)	40µA		
Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Current - Supply (Max)	60µA		
Protection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	PSRR	-		
Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad	Control Features	Enable		
Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Protection Features	Over Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)		
Package / Case 10-VFDFN Exposed Pad	Operating Temperature	ing Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$		
	Mounting Type	Surface Mount		
Supplier Device Package 10-DFN (3x3)	Package / Case	10-VFDFN Exposed Pad		
	Supplier Device Package	10-DFN (3x3)		
Report errors?		Report errors?		

ISL9012IRMNZ 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.

ISL9012IRMNZ Payment Methods



ISL9012IRMNZ Shipping Methods



If you have any question about ISL9012IRMNZ, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com