

# ISL9012IRNFZ-T

### **ISL9012IRNFZ-T Information**

The second second	Part Number Manufacturer Category Description Package	ISL9012IRNFZ-T Intersil Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear IC REG LINEAR 3.3V/2.5V 10DFN 10-VFDFN Exposed Pad For the pricing/inventory/lead time, please contact	
For Reference Only		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.



## **ISL9012IRNFZ-T Specifications**

Manufacturer Part NumberISL9012IRNFZ-TManufacturerIntersilCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage0.VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedVoltage Regulators - LinearNumber of Regulators2Voltage - Input (Max)6.SVVoltage - Output (Min/Frixed)3.3V 2.SVVoltage Doutput (Max)-Voltage Doutput (Max)0.2V @ 1.50mA, 0.4V @ 300mACurrent - Output0.2V @ 1.50mA, 0.4V @ 300mACurrent - Output-SpRR-Control FeaturesMableProtector FeaturesAnaleProtector Features-Mounting Type40°C ~ 85°CMounting Type0.VFDFN Exposed PadSupplier Device Package10-DFN (33)				
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage10-VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.VVoltage - Output (Min/Fixed)3.V 2.5VVoltage - Output (Max)-Voltage - Output (Max)0.2V @ 150mA, 0.4V @ 300mAVoltage Doupout (Max)0.2V @ 150mA, 0.4V @ 300mACurrent - Output-Voltage Couption4.04A ~ 60µAPortert - OutputEnableCurrent - Supply (Max)-Portertor FeaturesFablePortertor FeaturesOver Current, Output Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-Automity Type-Portertor Features-Portertor Features-Automity Type-Automity Type-Portertor Features-Portertor Feature	Manufacturer Part Number	ISL9012IRNFZ-T		
PMIC - Voltage Regulators - LinearPackageI0-VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.5VVoltage Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.4V @ 300mACurrent - Output150mA, 300mACurrent - Output40μA ~ 60μAPSRR-Control FeaturesDeve Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Manufacturer	Intersil		
Package10-VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.4V @ 300mACurrent - Output150mA, 300mACurrent - Output40µA ~ 60µAPSRR-Control FeaturesFinableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating TypeSurface MountHounting TypeIo-VFDFN Exposed Pad	Category	Integrated Circuits (ICs)		
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.4V @ 300mACurrent - Output1.50mA, 0.4V @ 300mACurrent - Output1.50mA, 0.4V @ 300mACurrent - Supply (Max)4.04A ~ 60µAPSRR-Fontor FeaturesBableProtection FeaturesCorrent, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature4.0°C ~ 85°CMounting TypeInter Supple AddPackage / Case1.0VEDFN Exposed Padd		PMIC - Voltage Regulators - Linear		
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.5VVoltage - Output (Max)-Voltage - Output (Max)0.2V @ 150mA, 0.4V @ 300mACurrent - Output150mA, 300mACurrent - Output-Current - Quiescent (Iq)-Voltage Nopoly (Max)-PSRR-Control FeaturesHoulePotection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Typesufface MountHounting Type0.4VFDFN Exposed Pad	Package	10-VFDFN Exposed Pad		
Output TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.5VVoltage - Output (Max)-Voltage Dropott (Max)0.2V @ 150mA, 0.4V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)-Voltage Stapping (Max)40µA ~ 60µAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Soft Start, Under Voltage Lockout (UVLO)Operating TemperatureSurface MountAundre Stapping (Max)10×FDFN Exposed Pad	Series	-		
Number of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.4V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)40µA ~ 60µAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperaturesufface MountPackage / Case10-VFDFN Exposed Pad	Output Configuration	Positive		
Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.4V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)40µA ~ 60µAPSRR-Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad	Output Type	Fixed		
Voltage - Output (Min/Fixed) 3.3V, 2.5V   Voltage - Output (Max) -   Voltage Dropout (Max) 0.2V @ 150mA, 0.4V @ 300mA   Current - Output 150mA, 300mA   Current - Quiescent (Iq) -   Current - Supply (Max) 40µA ~ 60µA   PSRR -   Control Features Enable   Protection Features Over Current, Over Temperature, Soft Start, Under Voltage Lockout (UVLO)   Operating Temperature Surface Mount   Mounting Type Surface Mount	Number of Regulators	2		
Voltage - Output (Max)-Voltage Dropout (Max)0.2V @ 150mA, 0.4V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)40µA ~ 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, 0.4V @ 300mACurrent - Output150mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)40μA ~ 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)	3.3V, 2.5V		
Current - Output150mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)40µA ~ 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)-Current - Supply (Max)40μA ~ 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, 0.4V @ 300mA		
Current - Supply (Max)40μA ~ 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)	-		
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)	$40\mu A \sim 60\mu A$		
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°CMounting TypeSurface MountPackage / Case10-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	$-40^{\circ}$ C ~ $85^{\circ}$ C		
	Mounting Type	Surface Mount		
Supplier Device Package10-DFN (3x3)	Package / Case	10-VFDFN Exposed Pad		
	Supplier Device Package	10-DFN (3x3)		
Report errors		Report errors?		

#### **ISL9012IRNFZ-T 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.

### **ISL9012IRNFZ-T Payment Methods**



## **ISL9012IRNFZ-T Shipping Methods**



If you have any question about ISL9012IRNFZ-T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com