

ISL9000AIRFCZ

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ISL9000AIRFCZ Information

	Part Number	ISL9000AIRFCZ
	Manufacturer	Intersil
No.	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear
	Description	IC REG LIN 1.8/2.5V 10DFN
	Package	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

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.



ISL9000AIRFCZ Specifications

ManufacturerIntersilCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackageIo-VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput ConfigurationFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output300mACurrent - Output300mACurrent - Quiescent (Iq)-SerR9db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesDever Orn ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)			
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - LinearPackage10-VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)1.8V, 2.5VVoltage - Output (Max)-Voltage Doupout (Max)-Output - Output300mA, 300mACurrent - Output32µA ~ 52µAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Manufacturer Part Number	ISL9000AIRFCZ	
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Package10-VFDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)1.8V, 2.5VVoltage - Output (Max)-Voltage Dutput (Max)-Voltage Dropout (Max)-Current - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)32μA ~ 52μAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection Features-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Category	Integrated Circuits (ICs)	
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)1.8V, 2.5VVoltage - Output (Max)-Voltage - Output (Max)-Voltage - Output (Max)-Voltage Dropout (Max)-, 0.4V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)32μA ~ 52μAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)		PMIC - Voltage Regulators - Linear	
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)1.8V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.4V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Yoth Sypely (Max)32µA ~ 52µAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesFenable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Package	10-VFDFN Exposed Pad	
Private BinOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)1.8V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.4V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)32µA ~ 52µAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 85°CMounting TypeSurface MountPackage / Case10-DFIN Exposed PadSupplier Device Package10-DFIN (3x3)	Series	-	
Number of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)1.8V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.4V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)32µA ~ 52µAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package10-DFN (3x3)	Output Configuration	Positive	
Voltage - Input (Max) 6.5V Voltage - Output (Min/Fixed) 1.8V, 2.5V Voltage - Output (Max) - Voltage Dropout (Max) -, 0.4V @ 300mA Current - Output 300mA, 300mA Current - Quiescent (Iq) - Current - Supply (Max) 32µA ~ 52µA PSRR 90db ~ 50dB (1kHz ~ 100kHz), - Control Features Over Current, Over Temperature, Under Voltage Lockout (UVLO) Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 10-VFDFN Exposed Pad Supplier Device Package 10-DFN (3x3)	Output Type	Fixed	
Voltage - Output (Min/Fixed)1.8V, 2.5VVoltage - Output (Max)-Voltage Dropout (Max)-, 0.4V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)32µA ~ 52µAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Number of Regulators	2	
Voltage - Output (Max)-Voltage Dropout (Max)-, 0.4V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)32μA ~ 52μAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Voltage - Input (Max)	6.5V	
Voltage Dropout (Max)-, 0.4V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)32µA ~ 52µAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control Features90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Voltage - Output (Min/Fixed)	1.8V, 2.5V	
Current - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)32µA ~ 52µAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Voltage - Output (Max)	-	
Current - Quiescent (Iq)-Current - Supply (Max)32μA ~ 52μAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Voltage Dropout (Max)	-, 0.4V @ 300mA	
Current - Supply (Max)32μA ~ 52μAPSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Current - Output	300mA, 300mA	
PSRR90db ~ 50dB (1kHz ~ 100kHz), -Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Current - Quiescent (Iq)	-	
Control FeaturesEnable, Power On ResetProtection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Current - Supply (Max)	32µA ~ 52µA	
Protection FeaturesOver Current, Over Temperature, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	PSRR	90db ~ 50dB (1kHz ~ 100kHz), -	
Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Control Features	Enable, Power On Reset	
Mounting TypeSurface MountPackage / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Protection Features	Over Current, Over Temperature, Under Voltage Lockout (UVLO)	
Package / Case10-VFDFN Exposed PadSupplier Device Package10-DFN (3x3)	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	
Supplier Device Package10-DFN (3x3)	Mounting Type	Surface Mount	
	Package / Case	10-VFDFN Exposed Pad	
Report errors?	Supplier Device Package	10-DFN (3x3)	
			Report errors?

ISL9000AIRFCZ 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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

ISL9000AIRFCZ Payment Methods



ISL9000AIRFCZ Shipping Methods



If you have any question about ISL9000AIRFCZ, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com