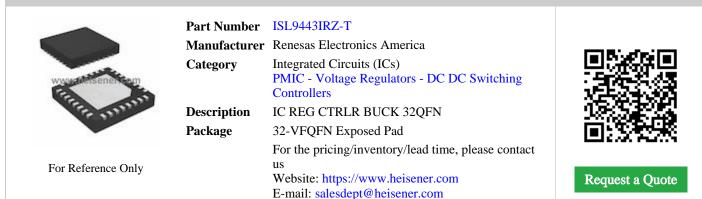


ISL9443IRZ-T

ISL9443IRZ-T Information



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.



ISL9443IRZ-T Specifications

Manufacturer Part NumberISL9443IRZ-TManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage32-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveYoutput Phases3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2 MHzOutput SpecifierYesClock SyncYesClock Sync4.0 COutput Type-Output Type-Seriain Lerfaces-Output Goutputs3Output College - Supply (Vcc/Vdd)-Spreiner SterierYesClock SyncYesSeriain Interfaces-Output Factores-Supplier Device Package3.2 VFQEN Exposed PadSupplier Device Package3.2 VFQEN Exposed PadSupp	•		
CategoryIntegrated Circuits (ICs)Package32-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Serial Interfaces-Control Features-Output Frequency Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN Start, S	Manufacturer Part Number	ISL9443IRZ-T	
PMIC - Voltage Regulators - DC DC Switching ControllersPackage32-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Synchronous RectifierYesControl Features-Output Faces-Output Faces-Sprein Interfaces-Output Faces-Output Faces-Sprein Interfaces-Output Faces-Output Faces-Output Faces-Sprein Type-Sprein Type-Supplier Device Package32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Manufacturer	Renesas Electronics America	
Package32-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Synchronous RectifierYesSerial Interfaces-Output Factures-Output Factures-Serial Interfaces-Output Factures-Output Factures-Spreing Temperature-Av°c ~ 85°C (TA)-Supplier Device Package32-QFN (5x5)	Category	Integrated Circuits (ICs)	
Series.Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max).Synchronous RectifierYesClock SyncYesSerial Interfaces.Output FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 85°C (TA)Package / Case32-QFN (5x5)		PMIC - Voltage Regulators - DC DC Switching Controllers	
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Output Features-Output Features-Output Features-Sperial Therfaces-Serial Interfaces-Output Features-Output Features-Output Features-Output Features-Output Features-Operating Temperature-Supplier Device Package32-QFN (5x5)	Package	32-VFQFN Exposed Pad	
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature30°C ~ 85°C (TA)Package / Case32-QFN (5x5)	Series	-	
Output ConfigurationPositiveTopologyBuckNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Output FfacturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature32-VFQFN Exposed PadSupplier Device Package32-QFN (Sx5)	Output Type	Transistor Driver	
Topology Buck Number of Outputs 3 Output Phases 2 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 28 V Frequency - Switching 600kHz ~ 1.2MHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Operating Temperature 40°C ~ 85°C (TA) Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Function	Step-Down	
Number of Outputs3Output Phases2Voltage - Supply (Vcc/Vd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Output Configuration	Positive	
Output Phases2Output Phases4.5 V ~ 28 VVoltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Topology	Buck	
Voltage - Supply (Vcc/Vdd)4.5 V ~ 28 VFrequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Number of Outputs	3	
Frequency - Switching600kHz ~ 1.2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Output Phases	2	
Duty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 28 V	
Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Frequency - Switching	600kHz ~ 1.2MHz	
Clock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Duty Cycle (Max)	-	
Serial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Synchronous Rectifier	Yes	
Control FeaturesCurrent Limit, Enable, Frequency Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Clock Sync	Yes	
Operating Temperature-40°C ~ 85°C (TA)Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Serial Interfaces	-	
Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Control Features	Current Limit, Enable, Frequency Control, Power Good, Soft Start, Tracking	
Supplier Device Package32-QFN (5x5)	Operating Temperature	-40°C ~ 85°C (TA)	
	Package / Case	32-VFQFN Exposed Pad	
Report errors?	Supplier Device Package	32-QFN (5x5)	
			Report errors?

ISL9443IRZ-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

Service Guarantees

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

ISL9443IRZ-T Payment Methods



ISL9443IRZ-T Shipping Methods



If you have any question about ISL9443IRZ-T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com