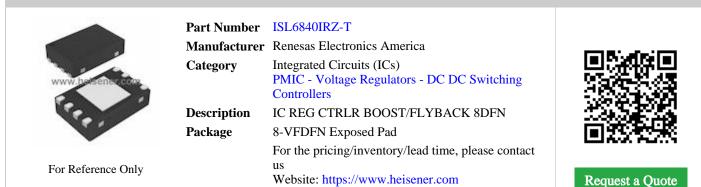


ISL6840IRZ-T

ISL6840IRZ-T Information



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.



ISL6840IRZ-T Specifications

Anufacturer Renesas Electronics America Manufacturer Renesas Electronics America Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Controllers PMIC - Voltage Regulators - DC DC Switching Controllers Package 8-VFDFN Exposed Pad Series - Dutput Type Transistor Driver Serios Step-Up, Step-Up/Step-Down Dutput Configuration Positive, Isolation Capable Sopology Boost, Flyback Yumber of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 7.5 V ~ 14 V Output Cycle (Max) 96% Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features Current Limit, Frequency Control Operating Temperature 4-0°C ~ 105°C (TA)		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage8-VFDFN Exposed PadPackage-Dutp TypeTransistor DriverSurper Op Step-Up, Step-Up/Step-DownDutput ConfigurationStep-Up, Step-Up/Step-DownPoologyBoost, FlybackPoutput Phases1Output Cycle (Max)96%Parquency - SwitchingVoltage - Supply (Vcc/Vdd)Prequency - SwitchingYesClock SyncNoClock Sync-Control Features-Control Features-Control Features-Ackage / Case8-VFDFN Exposed PadSupplier Device Package8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Manufacturer Part Number	ISL6840IRZ-T
PMIC - Voltage Regulators - DC DC Switching ControllersPackage8-VFDFN Exposed PadSeries-Dutput TypeTransistor DriverFunctionStep-Up, Step-Up/Step-DownDutput ConfigurationPositive, Isolation CapableFopologyBoost, FlybackNumber of Outputs1Dutput Phases1Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VPrequency - SwitchingUp to 2MHzDuty Cycle (Max)96%Synchronous Rectifier-Serial Interfaces-Control FeaturesCurrent Limit, Frequency ControlOperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Manufacturer	Renesas Electronics America
Package8-VFDFN Exposed PadSeries-Dutput TypeTransistor DriverFunctionStep-Up, Step-Up/Step-DownDutput ConfigurationPositive, Isolation CapableTopologyBoost, FlybackNumber of Outputs1Dutput Phases1Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VPerequency - SwitchingUp to 2MHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoControl FeaturesCurrent Limit, Frequency ControlOperating Temperature4.0°C ~ 105°C (TA)Package / Case8-DFIN (2x3)	Category	Integrated Circuits (ICs)
Series-Dutput TypeTransistor DriverFunctionStep-Up, Step-Up/Step-DownDutput ConfigurationPositive, Isolation CapableDoutput ConfigurationBoost, FlybackNumber of Outputs1Dutput Phases1Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VDutput Cycle (Max)96%Synchronous RectifierYesClock SyncNoControl FeaturesCurrent Limit, Frequency ControlOperating Temperature40°C ~ 105°C (TA)Package / Case8-DFN (2x3)		PMIC - Voltage Regulators - DC DC Switching Controllers
Dutput TypeTransistor DriverFunctionStep-Up, Step-Up/Step-DownDutput ConfigurationPositive, Isolation CapableFopologyBoost, FlybackNumber of Outputs1Dutput Phases1Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VOutput Cycle (Max)96%Synchronous RectifierVesClock SyncNoControl Features-Output Frageency - SwitchingCurrent Limit, Frequency ControlOutput Phases-Stepilier Device Package8-DFIN (2x3)	Package	8-VFDFN Exposed Pad
FunctionStep-Up, Step-Up/Step-DownDutput ConfigurationPositive, Isolation CapableDoutput ConfigurationBoost, FlybackNumber of Outputs1Dutput Phases1Output Phases1Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VPrequency - SwitchingUp to 2MHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Frequency ControlOperating Temperature-40°C ~ 105°C (TA)Package / Case8-DFN (2x3)	Series	-
Dutput ConfigurationPositive, Isolation CapableFopologyBoost, FlybackNumber of Outputs1Dutput Phases1Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VVrequency - SwitchingUp to 2MHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Frequency ControlOperating Temperature40°C ~ 105°C (TA)Package / Case8-DFIN Exposed PadSupplier Device Package8-DFIN (2x3)	Output Type	Transistor Driver
ForBoost, FlybackForpologyBoost, FlybackNumber of Outputs1Dutput Phases1Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VVoltage - Supply (Vcc/Vdd)Up to 2MHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoControl Features-Outperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Function	Step-Up, Step-Up/Step-Down
Number of Outputs1Sumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VFrequency - SwitchingUp to 2MHzOuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoClock Sync.Control Features-Operating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Output Configuration	Positive, Isolation Capable
Dutput Phases1Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VFrequency - SwitchingUp to 2MHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Frequency ControlOperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Topology	Boost, Flyback
Voltage - Supply (Vcc/Vdd)7.5 V ~ 14 VFrequency - SwitchingUp to 2MHzDuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoClock Sync.Control Features-Control FeaturesCurrent Limit, Frequency ControlOperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Number of Outputs	1
Frequency - SwitchingUp to 2MHzOuty Cycle (Max)96%Synchronous RectifierYesClock SyncNoClock Sync.Control Features-Operating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Output Phases	1
Duty Cycle (Max)96%Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Frequency ControlOperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Voltage - Supply (Vcc/Vdd)	7.5 V ~ 14 V
Synchronous RectifierYesClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Frequency ControlOperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Frequency - Switching	Up to 2MHz
Clock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Frequency ControlOperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Duty Cycle (Max)	96%
Serial Interfaces-Control FeaturesCurrent Limit, Frequency ControlOperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Synchronous Rectifier	Yes
Control FeaturesCurrent Limit, Frequency ControlOperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Clock Sync	No
Deperating Temperature-40°C ~ 105°C (TA)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Serial Interfaces	-
Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Control Features	Current Limit, Frequency Control
Supplier Device Package 8-DFN (2x3)	Operating Temperature	-40°C ~ 105°C (TA)
	Package / Case	8-VFDFN Exposed Pad
Report errors?	Supplier Device Package	8-DFN (2x3)
		Report errors?

ISL6840IRZ-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 BUARANTEE

Service Guarantees

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

ISL6840IRZ-T Payment Methods



ISL6840IRZ-T Shipping Methods



If you have any question about ISL6840IRZ-T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com