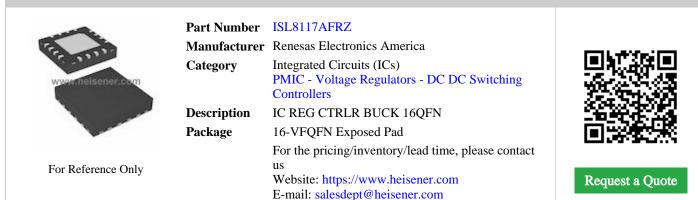


ISL8117AFRZ

ISL8117AFRZ 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.



ISL8117AFRZ Specifications

Manufacturer Part NumberISL8117AFRZManufacturerRenesas Electronics AmericaCategoryIntegrated Circuits (ICS)PMIC - Voltage Regulators - DC DC Switching ControllersPackage16-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveOutput Phases1Output Phases1Output Phases100kHz ~ 20HZVoltage - Supply (Voc/Vd)4.5 V ~ 60 VFuequery - Switching100kHz ~ 20HZSynchronous RectifierYesClock Sync4.5Output FraquencySter Control InstructureOutput FraquencySter Control InstructureSpring Tengenature-Spring Tengenature-Spring Tengenature-Spring Tengenature-Output Fraquency Control, Phase Control, Phase Control, Phase Control, PhaseSpring Tengenature-Spring Tengenature-Spring Tengenature-Output Fraquency Control, Phase Control, Phase Control, Phase Control, PhaseSpring Tengenature-Output Fraquency Control, Phase Control, Phase Control, PhaseSpring Tengenature-Spring Tengenature-Output Fraquency Control, Phase Control, PhaseSpring Tengenature-Output Fragenature-Output Fragenature-Spring Tengenature-Output Fragenature-Output Fragenature <th>-</th> <th></th>	-	
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching ControllersPackage6-VFQFN Exposed PadSeries-Output TypeTransitor DriverFunctionStep-DownOutput ConfigurationPositiveYoungo YoungoSuckNumber of Outputs1Output Phases1Voltage - Supply (Voc')4.5V ~ 60 VYoungo Step Circuits100 KLZ ~ 200 KLZYoungo Step Circuits9.6V ~ 60 VYoungo Step Circuits100 KLZ ~ 200 KLZYoungo Step Circuits9.6V ~ 60 VYoungo Step Circuits9.6V ~ 70 V<	Manufacturer Part Number	ISL8117AFRZ
PMC - Voltage Regulators - DC DC Switching ControllersPackage16-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vd)4.5 V ~ 60 VFrequency - Switching100kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Output Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 125°C (TJ)Package / Case16-QFN (Ka4)	Manufacturer	Renesas Electronics America
Package16-VFQFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vd)4.5V ~ 60 VFrequency - Switching10kHz ~ 2MHzDychronous RectifierYesClock SyncYesSerial Interfaces-Output Frequency Control, Phaser Gouton, Devendence, Devenden	Category	Integrated Circuits (ICs)
Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdu)4.5 V ~ 60 VFrequency - Switching100kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Output Features-Output Features-Serial Interfaces-Output Features-Output Phases-Serial Therfaces-Super Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)		PMIC - Voltage Regulators - DC DC Switching Controllers
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Output Phases5Voltage - Supply (Vcc/Vda)4.5 V ~ 60 VFrequency - Switching10kHz ~ 2MHzDuty Cycle (Max)-Synchronus RectifierYesStrail Interfaces-Output Frequency Team-Orton Features-Output Frequency Education-Strail Interfaces-Output Features-Output Features-Orten Ling Engeneration-Orten Features-Orten Features-Orten Features-Orten Strain Features-Output Features- <t< td=""><td>Package</td><td>16-VFQFN Exposed Pad</td></t<>	Package	16-VFQFN Exposed Pad
Function Step-Down Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 60 V Frequency - Switching 100kHz ~ 2MHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Output Features Current Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, Tracking Operating Temperature 40°C ~ 125°C (TJ) Package / Case 16-QFN Exposed Pad	Series	-
Output ConfigurationOvitiveTopologyBuckNumber of Outputs1Output Phases1Output Phases1Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VFrequency - Switching100kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncSesSerial Interfaces-Output Features-Output Features-Operating Temperature-40°C ~ 125°C (TJ)Package / Case16-UFN Exposed PadSupplier Device Package16-QFN (4x4)	Output Type	Transistor Driver
Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 4.5 V ~ 60 V Frequency - Switching 100kHz ~ 2MHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Output Features Current Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, Tracking Operating Temperature 40°C ~ 125°C (TJ) Package / Case 16-VFQEN Eage Package	Function	Step-Down
Number of Outputs1Output Phases1Voltage - Supply (Vcc/Vdu)4.5 V ~ 60 VFrequency - Switching100kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Operating Temperature-40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Output Configuration	Positive
Output PhasesIOutput Phases4.5 V ~ 60 VVoltage - Supply (Vcc/Vd)4.5 V ~ 60 VFrequency - Switching100kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Output Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-VFQFNEAgeAgeAgeAgeAgeAgeAgeAgeAgeAgeAgeAgeAgeA	Topology	Buck
Voltage - Supply (Vcc/Vdd)4.5 V ~ 60 VFrequency - Switching100kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Number of Outputs	1
Frequency - Switching100kHz ~ 2MHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Linnit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Output Phases	1
Duty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 60 V
Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Frequency - Switching	100kHz ~ 2MHz
Clock SyncYesSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Duty Cycle (Max)	-
Serial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Synchronous Rectifier	Yes
Control FeaturesCurrent Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, TrackingOperating Temperature-40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Clock Sync	Yes
Operating Temperature-40°C ~ 125°C (TJ)Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Serial Interfaces	-
Package / Case16-VFQFN Exposed PadSupplier Device Package16-QFN (4x4)	Control Features	Current Limit, Enable, Frequency Control, Phase Control, Power Good, Soft Start, Tracking
Supplier Device Package 16-QFN (4x4)	Operating Temperature	-40°C ~ 125°C (TJ)
	Package / Case	16-VFQFN Exposed Pad
Report errors?	Supplier Device Package	16-QFN (4x4)
		Report errors?

ISL8117AFRZ 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 UARANTEE

Service Guarantees

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

ISL8117AFRZ Payment Methods



ISL8117AFRZ Shipping Methods



If you have any question about ISL8117AFRZ, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com