

ISL6558IRZA-TK

ISL6558IRZA-TK 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.



ISL6558IRZA-TK Specifications

ManufacturerIntersilCategoryIntegrated Circuits (ICS)PMIC - Voltage Regulators - DC DC Switching ControllersPackage20-VQFN Exposed PadPackage-Output TypePWM SignalOutput TypeStep-DownOutput ConfigurationStep-DownOutput ConfigurationBuckNumber of Outputs4Output Phases4Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - SwitchingSokHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncSnale, Frequency Control, Power GoodOutput FacturesGuable, Frequency Control, Power GoodOperating Temperature30-VQFN Exposed PadSupplier Device Package20-VPFN Exposed Pad		
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage20-VQFN Exposed PadSeries-Output TypePWM SignalFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs4Output Phases4Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSteil Interfaces-Control Features6.80cK (TA)Operating Temperature4.0°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN Exposed Pad	Manufacturer Part Number	ISL6558IRZA-TK
PMIC - Voltage Regulators - DC DC Switching ControllersPackage20-VQFN Exposed PadSeries-Output TypePWM SignalFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs4Output Phases4Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Output Frequency Case9.0VQFN Exposed PadSynchronous Rectifier-Serial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Manufacturer	Intersil
Package20-VQFN Exposed PadSeries-Output TypePWM SignalFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs4Output Phases4Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature40°C ~ 85°C (TA)Package / Case20-QFN-EP (5x5)	Category	Integrated Circuits (ICs)
Series-Output TypePWM SignalFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs4Output Phases4Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-0/0°C ~ 85°C (TA)Package / Case20-QFN-EP (5x5)		PMIC - Voltage Regulators - DC DC Switching Controllers
Output TypePWM SignalFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs4Output Phases4Output Configuration4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Output Features4.0°C ~ 85°C (TA)Package / Case0.0 QFN-EP (5x5)	Package	20-VQFN Exposed Pad
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs4Output Phases4Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature40°C ~ 85°C (TA)Package / Case20-QFN-EP (5x5)	Series	-
Output ConfigurationPositiveTopologyBuckNumber of Outputs4Output Phases4Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Output FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Output Type	PWM Signal
TopologyBuckNumber of Outputs4Output Phases4Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Output FeaturesEnable, Frequency Ontrol, Power GoodOperating Temperature20-VQFN Exposed PadSupplier Device Package20-QFN-EF (55)	Function	Step-Down
Number of Outputs4Output Phases4Output Phases4.75 V ~ 5.25 VVoltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Output Configuration	Positive
Output Phases 4 Voltage - Supply (Vcc/Vdd) 4.75 V ~ 5.25 V Frequency - Switching 80kHz ~ 1.5MHz Duty Cycle (Max) 75% Synchronous Rectifier - Clock Sync No Serial Interfaces - Control Features Enable, Frequency Control, Power Good Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-VQFN Exposed Pad Supplier Device Package 20-QFN-EP (5x5)	Topology	Buck
Voltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VFrequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Number of Outputs	4
Frequency - Switching80kHz ~ 1.5MHzDuty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Output Phases	4
Puty Cycle (Max)75%Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Voltage - Supply (Vcc/Vdd)	4.75 V ~ 5.25 V
Synchronous Rectifier-Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Frequency - Switching	80kHz ~ 1.5MHz
Clock SyncNoSerial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Duty Cycle (Max)	75%
Serial Interfaces-Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Synchronous Rectifier	-
Control FeaturesEnable, Frequency Control, Power GoodOperating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Clock Sync	No
Operating Temperature-40°C ~ 85°C (TA)Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Serial Interfaces	-
Package / Case20-VQFN Exposed PadSupplier Device Package20-QFN-EP (5x5)	Control Features	Enable, Frequency Control, Power Good
Supplier Device Package20-QFN-EP (5x5)	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	20-VQFN Exposed Pad
Report errors?	Supplier Device Package	20-QFN-EP (5x5)
		Report errors?

ISL6558IRZA-TK 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.

ISL6558IRZA-TK Payment Methods



ISL6558IRZA-TK Shipping Methods



If you have any question about ISL6558IRZA-TK, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com