

## 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