



ISL6146EFRZ Information



For Reference Only

Part Number ISL6146EFRZ

Manufacturer Renesas Electronics America
Category Integrated Circuits (ICs)

PMIC - OR Controllers, Ideal Diodes

DescriptionIC OR CTRLR N+1 8DFN**Package**8-VDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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Certified Quality

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ISL6146EFRZ Specifications

Manufacturer Part Number Manufacturer Renesas Electronics America Integrated Circuits (ICs) PMIC - OR Controllers, Ideal Diodes Package 8 - VDFN Exposed Pad Series - Type N+1 ORing Controller FET Type N-Channel Ratio - Input:Output Internal Switch(s) Delay Time - ON Delay Time - OFF 65ns Current - Output (Max) - Current - Supply Voltage - Supply Applications N+1 Power Supplies, Telecom/Datacom Systems Operating Temperature Mounting Type Surface Mount Package / Case Supplier Device Package 8-DFN (3x3)		
CategoryIntegrated Circuits (ICs)PMIC - OR Controllers, Ideal DiodesPackage8-VDFN Exposed PadSeries-TypeN+1 ORing ControllerFET TypeN-ChannelRatio - Input:OutputN:1Internal Switch(s)NoDelay Time - ON-Delay Time - OFF65nsCurrent - Output (Max)-Current - Supply25μAVoltage - Supply3 V ~ 20 VApplicationsN+1 Power Supplies, Telecom/Datacom SystemsOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN (3x3)	Manufacturer Part Number	ISL6146EFRZ
Package 8-VDFN Exposed Pad Series - Type N+1 ORing Controller FET Type N-Channel Ratio - Input:Output N:1 Internal Switch(s) No Delay Time - ON - Delay Time - OFF 65ns Current - Output (Max) - Current - Supply 25µA Voltage - Supply 3 V ~ 20 V Applications N+1 Power Supplies, Telecom/Datacom Systems Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Surpolic Device Package 8-DFN (3x3)	Manufacturer	Renesas Electronics America
Package 8-VDFN Exposed Pad Series - Type N+1 ORing Controller FET Type N-Channel Ratio - Input:Output N:1 Internal Switch(s) No Delay Time - ON - Delay Time - OFF 65ns Current - Output (Max) - Current - Supply 25μA Voltage - Supply 3 V ~ 20 V Applications N+1 Power Supplies, Telecom/Datacom Systems Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Category	Integrated Circuits (ICs)
Series - Type N+1 ORing Controller FET Type N-Channel Ratio - Input:Output N:1 Internal Switch(s) No Delay Time - ON - Delay Time - OFF 65ns Current - Output (Max) - Current - Supply 25μA Voltage - Supply 3 V ~ 20 V Applications N+1 Power Supplies, Telecom/Datacom Systems Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)		PMIC - OR Controllers, Ideal Diodes
Type N-1 ORing Controller FET Type N-Channel Ratio - Input:Output N:1 Internal Switch(s) No Delay Time - ON - Delay Time - OFF 65ns Current - Output (Max) - Current - Supply 25μA Voltage - Supply 3 V ~ 20 V Applications N+1 Power Supplies, Telecom/Datacom Systems Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Package	8-VDFN Exposed Pad
FET Type Ratio - Input:Output N:1 Internal Switch(s) No Delay Time - ON Delay Time - OFF 65ns Current - Output (Max) - Current - Supply 25µA Voltage - Supply 3 V ~ 20 V Applications Operating Temperature Mounting Type Surface Mount Package / Case Supplier Device Package N-Channel N:1 N-Channel N:1 N-Channel N:1 No	Series	-
Ratio - Input:OutputN:1Internal Switch(s)NoDelay Time - ON-Delay Time - OFF65nsCurrent - Output (Max)-Current - Supply25μAVoltage - Supply3 V ~ 20 VApplicationsN+1 Power Supplies, Telecom/Datacom SystemsOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-DFN (3x3)	Туре	N+1 ORing Controller
Internal Switch(s) Delay Time - ON Delay Time - OFF 65ns Current - Output (Max) Current - Supply 25μA Voltage - Supply 3 V ~ 20 V Applications N+1 Power Supplies, Telecom/Datacom Systems Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	FET Type	N-Channel
Delay Time - ON - 65ns Current - Output (Max) - 25 μ A Voltage - Supply 3 V ~ 20 V Applications N+1 Power Supplies, Telecom/Datacom Systems Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Ratio - Input:Output	N:1
Delay Time - OFF 65ns Current - Output (Max) - Current - Supply 25 μ A Voltage - Supply 3 V ~ 20 V Applications N+1 Power Supplies, Telecom/Datacom Systems Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Internal Switch(s)	No
$\begin{array}{lll} & \text{Current - Output (Max)} & \text{-} \\ & \text{Current - Supply} & 25 \mu A \\ & \text{Voltage - Supply} & 3 \text{ V} \sim 20 \text{ V} \\ & \text{Applications} & \text{N+1 Power Supplies, Telecom/Datacom Systems} \\ & \text{Operating Temperature} & -40^{\circ}\text{C} \sim 125^{\circ}\text{C} \\ & \text{Mounting Type} & \text{Surface Mount} \\ & \text{Package / Case} & 8-\text{VDFN Exposed Pad} \\ & \text{Supplier Device Package} & 8-\text{DFN (3x3)} \\ \end{array}$	Delay Time - ON	-
Current - Supply $25\mu A$ Voltage - Supply $3 \text{ V} \sim 20 \text{ V}$ Applications $N+1$ Power Supplies, Telecom/Datacom Systems Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Delay Time - OFF	65ns
Voltage - Supply $3 \text{ V} \sim 20 \text{ V}$ Applications $N+1 \text{ Power Supplies, Telecom/Datacom Systems}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $8-\text{VDFN Exposed Pad}$ Supplier Device Package $8-\text{DFN }(3x3)$	Current - Output (Max)	-
Applications N+1 Power Supplies, Telecom/Datacom Systems Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Current - Supply	25μΑ
Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Voltage - Supply	3 V ~ 20 V
Mounting Type Surface Mount Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Applications	N+1 Power Supplies, Telecom/Datacom Systems
Package / Case 8-VDFN Exposed Pad Supplier Device Package 8-DFN (3x3)	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 8-DFN (3x3)	Mounting Type	Surface Mount
	Package / Case	8-VDFN Exposed Pad
Report errors?	Supplier Device Package	8-DFN (3x3)
		Report errors?

ISL6146EFRZ 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 Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

ISL6146EFRZ Payment Methods



















ISL6146EFRZ Shipping Methods













If you have any question about ISL6146EFRZ, please do not hesitate to contact us!

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