



IXDI614SITR Information



For Reference Only

Part Number IXDI614SITR

Manufacturer IXYS Integrated Circuits Division

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description 14A 8LEAD SOIC EXP MTL INVERTING

Package 8-SOIC (0.154", 3.90mm Width) 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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IXDI614SITR Specifications

Manufacturer Part NumberIXDI614STTRManufacturerIXYS Integrated Circuits DivisionCategoryIntegrated Circuits (ICs)Package8-SOIC (0.154", 3.90mm Width) Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 35 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)14A, 14AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 18nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP		
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Package 8-SOIC (0.154", 3.90mm Width) Exposed Pad Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type IGBT, N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 35 V Logic Voltage - VIL, VIH 0.8V, 3V Current - Peak Output (Source, Sink) 14A, 14A Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 18ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package 8-SOIC-EP	Manufacturer	IXYS Integrated Circuits Division
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Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 35 VLogic Voltage - VIL, VIH0.8V, 3VCurrent - Peak Output (Source, Sink)14A, 14AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 18nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP		PMIC - Gate Drivers
Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type IGBT, N-Channel, P-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 3V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 25ns, 18ns Operating Temperature -55° C ~ 150° C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width) Exposed Pad
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Number of Drivers Gate Type IGBT, N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 35 V Logic Voltage - VIL, VIH 0.8V, 3V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package	Driven Configuration	Low-Side
Gate Type IGBT, N-Channel, P-Channel MOSFET 4.5 V ~ 35 V Logic Voltage - VIL, VIH 0.8V, 3V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 25ns, 18ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package	Channel Type	Single
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 3V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH O.8V, 3V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package	Gate Type	IGBT, N-Channel, P-Channel MOSFET
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High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 25ns, 18ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package 8-SOIC-EP	Current - Peak Output (Source, Sink)	14A, 14A
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Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package 8-SOIC-EP	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package 8-SOIC-EP	Rise / Fall Time (Typ)	25ns, 18ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package 8-SOIC-EP	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package 8-SOIC-EP	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Report errors?	Supplier Device Package	8-SOIC-EP
		Report errors

IXDI614SITR 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.

IXDI614SITR Payment Methods



















IXDI614SITR Shipping Methods













If you have any question about IXDI614SITR, please do not hesitate to contact us!

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