



IXDI409SIA Information



For Reference Only

Part Number IXDI409SIA Manufacturer IXYS

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DVR 9A INV 8-SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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IXDI409SIA Specifications

Manufacturer Part NumberIXD1409SIAManufacturerIXYSCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 35 VLogic Voltage - VIL, VIH0.8V, 3.5VCurrent - Peak Output (Source, Sink)9A, 9AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154" 3.90mm Width)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) 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, 3.5V 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	Manufacturer Part Number	IXDI409SIA
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Channel Type Number of Drivers 1 Gate Type IGBT, N-Channel, P-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 3.5V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount	Series	-
Number of Drivers Gate Type IGBT, N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 35 V Logic Voltage - VIL, VIH 0.8V, 3.5V 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	Driven Configuration	Low-Side
Gate Type IGBT, N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 35 V Logic Voltage - VIL, VIH 0.8V, 3.5V 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 IGBT, N-Channel, P-Channel MOSFET 4.5 V ~ 35 V 0.8V, 3.5V 1.08V, 3.5V 1.08V, 3.5V 1.08V, 3.5V 2.08V, 3.5V 2.08V, 3.5V 2.08V, 3.5V 3.08V 3.08V 3.08V 3.08V 3.08V 4.08V 4.08V 5.08V 5	Channel Type	Single
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 3.5V 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 4.5 V ~ 35 V 0.8V, 3.5V 1.8V 1.	Number of Drivers	1
Logic Voltage - VIL, VIH0.8V, 3.5VCurrent - Peak Output (Source, Sink)9A, 9AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface Mount	Gate Type	IGBT, N-Channel, P-Channel MOSFET
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	Voltage - Supply	4.5 V ~ 35 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Inverting Surface Mount	Logic Voltage - VIL, VIH	0.8V, 3.5V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 10ns, 10ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount	Current - Peak Output (Source, Sink)	9A, 9A
Rise / Fall Time (Typ) $10ns, 10ns$ Operating Temperature $-55^{\circ}C \sim 150^{\circ}C$ (TJ)Mounting TypeSurface Mount	Input Type	Inverting
Operating Temperature $-55^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Surface Mount	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount	Rise / Fall Time (Typ)	10ns, 10ns
	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
1 ackage / Case 0-501C (0.154, 5.50mm width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
Report errors?		Report errors?

IXDI409SIA 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.

IXDI409SIA Payment Methods



















IXDI409SIA Shipping Methods













If you have any question about IXDI409SIA, please do not hesitate to contact us!

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