



### **IXDD509PI Information**



For Reference Only

Part Number IXDD509PI Manufacturer IXYS

Category Integrated Circuits (ICs)

PMIC - Gate Drivers

**Description** IC GATE DRIVER 9A 8-DIP **Package** 8-DIP (0.300", 7.62mm)

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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## **IXDD509PI Specifications**

Manufacturer Part Number         IXDD509PI           Manufacturer         IXYS           Category         Integrated Circuits (ICs)           Package         8-DIP (0.300", 7.62mm)           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 ~ 30 V           Logic Voltage - VIL, VIH         0.8V, 2.4V           Current - Peak Output (Source, Sink)         9A, 9A           Input Type         Non-Inverting           High Side Voltage - Max (Bootstrap)         -           Rise / Fall Time (Typ)         25ns, 23ns           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-PDIP		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-DIP (0.300", 7.62mm)  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 ~ 30 V  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  - Rise / Fall Time (Typ)  Operating Temperature  John Logic Woltage - VIL, VID (Type)  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Manufacturer Part Number	IXDD509PI
Package 8-DIP (0.300", 7.62mm)  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 ~ 30 V  Logic Voltage - VIL, VIH 0.8V, 2.4V  Current - Peak Output (Source, Sink) 9A, 9A  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 23ns  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Package / Case 8-DIP (0.300", 7.62mm)  Supplier Device Package	Manufacturer	IXYS
Package8-DIP (0.300", 7.62mm)Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 30 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)9A, 9AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 23nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 30 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)9A, 9AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 23nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP		PMIC - Gate Drivers
Driven Configuration  Channel Type  Single  Number of Drivers  1  Gate Type  IGBT, N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 30 V  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Package	8-DIP (0.300", 7.62mm)
Channel Type  Number of Drivers  1  Gate Type  IGBT, N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 30 V  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  25ns, 23ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Series	-
Number of Drivers  Gate Type  IGBT, N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 30 V  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Driven Configuration	Low-Side
Gate Type  IGBT, N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 30 V  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  - Rise / Fall Time (Typ)  25ns, 23ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Channel Type	Single
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)9A, 9AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 23nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Gate Type	IGBT, N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Voltage - Supply	4.5 V ~ 30 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 23ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-PDIP	Logic Voltage - VIL, VIH	0.8V, 2.4V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  25ns, 23ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package	Current - Peak Output (Source, Sink)	9A, 9A
Rise / Fall Time (Typ)  25ns, 23ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package  8-PDIP	Input Type	Non-Inverting
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  Supplier Device Package  8-PDIP	High Side Voltage - Max (Bootstrap)	-
Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-PDIP	Rise / Fall Time (Typ)	25ns, 23ns
Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-PDIP	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package 8-PDIP	Mounting Type	Through Hole
	Package / Case	8-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	8-PDIP
		Report errors

### **IXDD509PI 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.

### **IXDD509PI Payment Methods**



















### **IXDD509PI Shipping Methods**













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