



IXDN514D1T/R Information

Heisener.com

Part Number IXDN514D1T/R

Manufacturer IXYS

Category Integrated Circuits (ICs)

PMIC - Gate Drivers

Description IC GATE DRIVER SGL 14A 6-DFN

Package 6-VDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

For Reference Only Website: https://www.heisener.com

E-mail: salesdept@heisener.com



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IXDN514D1T/R Specifications

Manufacturer Part Number IXDN514D1T/R Manufacturer IXYS Category Integrated Circuits (ICs) Package 6-VDFN 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 ~ 30 V Logic Voltage - VIL, VIH 1V, 2.5V Current - Peak Output (Source, Sink) 14A, 14A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (4x5)		
Category Integrated Circuits (ICs) PMIC - Gate Drivers 6-VDFN 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 ~ 30 V Logic Voltage - VIL, VIH 1V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) Operating Temperature Joyna Control Package Supplier Device Package 6-VDFN Exposed Pad Surface Mount Surface Mount Fackage / Case 6-VDFN Exposed Pad	Manufacturer Part Number	IXDN514D1T/R
Package 6-VDFN 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 ~ 30 V Logic Voltage - VIL, VIH 1V, 2.5 V Current - Peak Output (Source, Sink) 14A, 14A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (4x5)	Manufacturer	IXYS
Package6-VDFN Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 30 VLogic Voltage - VIL, VIHIV, 2.5VCurrent - Peak Output (Source, Sink)14A, 14AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 22nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (4x5)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 30 VLogic Voltage - VIL, VIH1V, 2.5VCurrent - Peak Output (Source, Sink)14A, 14AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 22nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case6-VDFN Exposed PadSupplier Device Package6-DFN (4x5)		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 1V, 2.5V 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 Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package	Package	6-VDFN Exposed Pad
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 1V, 2.5V 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 Surface Mount Package / Case 6-VDFN Exposed Pad 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 1V, 2.5V 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 Surface Mount Package / Case Supplier Device Package 6-DFN (4x5)	Driven Configuration	Low-Side
Gate Type IGBT, N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 30 V Logic Voltage - VIL, VIH 1V, 2.5V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package	Channel Type	Single
Voltage - Supply Logic Voltage - VIL, VIH 1V, 2.5V 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 Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH 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 Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package	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 Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (4x5)	Voltage - Supply	4.5 V ~ 30 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (4x5)	Logic Voltage - VIL, VIH	1V, 2.5V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 25ns, 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (4x5)	Current - Peak Output (Source, Sink)	14A, 14A
Rise / Fall Time (Typ) 25ns, 22ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (4x5)	Input Type	Non-Inverting
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (4x5)	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (4x5)	Rise / Fall Time (Typ)	25ns, 22ns
Package / Case 6-VDFN Exposed Pad Supplier Device Package 6-DFN (4x5)	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package 6-DFN (4x5)	Mounting Type	Surface Mount
	Package / Case	6-VDFN Exposed Pad
Report errors?	Supplier Device Package	6-DFN (4x5)
		Report errors?

IXDN514D1T/R 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.

IXDN514D1T/R Payment Methods



















IXDN514D1T/R Shipping Methods













If you have any question about IXDN514D1T/R, please do not hesitate to contact us!

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