

DGD2304S8-13 Information



For Reference Only

Part Number DGD2304S8-13

Manufacturer Diodes Incorporated

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC GATE DRVR HV SO8 **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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DGD2304S8-13 Specifications

Manufacturer Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.7V, 2.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Package / Case 8-SOIC (0.154", 3.90mm Width)		
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Package Packag	Manufacturer	Diodes Incorporated
Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.7V, 2.3V Current - Peak Output (Source, Sink) 290mA, 600mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 70ns, 35ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.7V, 2.3VCurrent - Peak Output (Source, Sink)290mA, 600mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)70ns, 35nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)		PMIC - Gate Drivers
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Number of Drivers Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.7V, 2.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Driven Configuration	Half-Bridge
Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.7V, 2.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case IGBT, N-Channel MOSFET 10 V ~ 20 V 0.7V, 2.3V 0.7V, 2.3V 0.7V, 2.3V 0.70mA, 600mA Non-Inverting 600V 70ns, 35ns Surface Mount 8-SOIC (0.154", 3.90mm Width)	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 0.7V, 2.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 70ns, 35ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Number of Drivers	2
Logic Voltage - VIL, VIH0.7V, 2.3VCurrent - Peak Output (Source, Sink)290mA, 600mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)70ns, 35nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Gate Type	IGBT, N-Channel MOSFET
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High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 70ns, 35ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Peak Output (Source, Sink)	290mA, 600mA
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Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C (TJ)}$ Mounting Type Surface Mount Package / Case $8-\text{SOIC } (0.154^{\circ}\text{, } 3.90\text{mm Width})$	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Rise / Fall Time (Typ)	70ns, 35ns
Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 150°C (TJ)
	Mounting Type	Surface Mount
Supplier Device Package 8-SO	Package / Case	8-SOIC (0.154", 3.90mm Width)
11 ÷	Supplier Device Package	8-SO
Report errors?		Report errors?

DGD2304S8-13 Guarantees



Quality Guarantees

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Service Guarantees

We guarantee 100% customer satisfaction.

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

DGD2304S8-13 Payment Methods



















DGD2304S8-13 Shipping Methods













If you have any question about DGD2304S8-13, please do not hesitate to contact us!

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