



SN75451BPG4 Information



For Reference Only

Part Number SN75451BPG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC PERIPHERAL DRVR DUAL HS 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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SN75451BPG4 Specifications

Manufacturer Part Number SN75451BPG4 Manufacturer Texas Instruments Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-DIP (0.300", 7.62mm) Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.75 V ~ 5.25 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 500mA, 500mA Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 5ns, 7ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-PDIP		
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Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 70°C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Sumber of Drivers Low-Side 1. Independent 2 N-Channel, P-Channel MOSFET N-Channel MOSFET	Package	8-DIP (0.300", 7.62mm)
Channel Type Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.75 V ~ 5.25 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 5ns, 7ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package	Series	-
Number of Drivers Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.75 V ~ 5.25 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 0°C ~ 70°C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package	Driven Configuration	Low-Side
Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply $4.75 \text{ V} \sim 5.25 \text{ V}$ Logic Voltage - VIL, VIH 0.8V , 2V Current - Peak Output (Source, Sink) 500mA , 500mA Input TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ) 5ns , 7ns Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)Mounting TypeThrough HolePackage / Case 8-DIP (0.300° , 7.62mm)Supplier Device Package 8-PDIP	Channel Type	Independent
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 70°C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 7nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)Supplier Device Package8-PDIP	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 70°C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package	Voltage - Supply	4.75 V ~ 5.25 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 70°C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 5ns, 7ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package	Current - Peak Output (Source, Sink)	500mA, 500mA
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Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)Mounting TypeThrough HolePackage / Case8-DIP $(0.300^{\circ}, 7.62\text{mm})$ Supplier Device Package8-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)	5ns, 7ns
Package / Case 8-DIP (0.300", 7.62mm) Supplier Device Package 8-PDIP	Operating Temperature	0°C ~ 70°C (TA)
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?

SN75451BPG4 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.

SN75451BPG4 Payment Methods





















SN75451BPG4 Shipping Methods













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