



SN75453BDR Information



For Reference Only

Part Number SN75453BDR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

DescriptionIC PERIPH DRVR DUAL HS 8-SOICPackage8-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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









SN75453BDR Specifications

Manufacturer Part NumberSN75453BDRManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.75 V ~ 5.25 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 500mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 7ns		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) 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) Input Type High Side Voltage - Max (Bootstrap) - Integrated Circuits (ICs) PMIC - Gate Drivers - 0.154", 3.90mm Width) 0.8V-Side 1.00-Side 1.00-Side	Manufacturer Part Number	SN75453BDR
PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) 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) -	Manufacturer	Texas Instruments
Package 8-SOIC (0.154", 3.90mm Width) 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) -	Category	Integrated Circuits (ICs)
Series - 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) -		PMIC - Gate Drivers
Driven Configuration 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) Input Type High Side Voltage - Max (Bootstrap) Low-Side Low-Side Independent 2 N-Channel MOSFET 4.75 V ~ 5.25 V Inverting Inverting Inverting	Package	8-SOIC (0.154", 3.90mm Width)
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) -	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 High Side Voltage - Max (Bootstrap) -	Driven Configuration	Low-Side
	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) 4.75 V ~ 5.25 V 0.8V, 2V 500mA, 500mA -	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) -	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) -	Voltage - Supply	4.75 V ~ 5.25 V
Input Type Inverting High Side Voltage - Max (Bootstrap) -	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap) -	Current - Peak Output (Source, Sink)	500mA, 500mA
	Input Type	Inverting
Rise / Fall Time (Typ) 5ns, 7ns	High Side Voltage - Max (Bootstrap)	-
	Rise / Fall Time (Typ)	5ns, 7ns
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 8-SOIC (0.154", 3.90mm Width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
Report errors?		Report errors?

SN75453BDR 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.

SN75453BDR Payment Methods



















SN75453BDR Shipping Methods













If you have any question about SN75453BDR, please do not hesitate to contact us!

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