



UCC27525DSDR Information



For Reference Only

Part Number UCC27525DSDR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC GATE DVR LO-SIDE DL 5A 8SON

Package 8-WDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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UCC27525DSDR Specifications

Manufacturer UCC27525DSDR Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package 8-WDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 1V, 2.3V Current - Peak Output (Source, Sink) 5A, 5A Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 7ns, 6ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-SON (3x3)		
Category Package Package Package Package Poriver Poriven Configuration Channel Type Independent Number of Drivers Cate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH Iv, 2.3V Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) Pisse / Fall Time (Typ) Operating Temperature Package / Case Supplier Device Package Integrated Circuits (ICs) PMIC - Gate Drivers PAMIC - Gate Drivers PAMIC - Gate Drivers Package / Case PMOFN Exposed Pad Package / Sason (3x3)	Manufacturer Part Number	UCC27525DSDR
Package 8-WDFN Exposed Pad Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 1V, 2.3V Current - Peak Output (Source, Sink) 5A, 5A Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 7ns, 6ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Manufacturer	Texas Instruments
Package8-WDFN Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH1V, 2.3VCurrent - Peak Output (Source, Sink)5A, 5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)7ns, 6nsOperating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-SON (3x3)	Category	Integrated Circuits (ICs)
Series - Configuration Low-Side Low-Side Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 1V, 2.3V Current - Peak Output (Source, Sink) 5A, 5A Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 7ns, 6ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package		PMIC - Gate Drivers
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Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH1V, 2.3VCurrent - Peak Output (Source, Sink)5A, 5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)7ns, 6nsOperating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-SON (3x3)	Driven Configuration	Low-Side
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Voltage - Supply Logic Voltage - VIL, VIH 1V, 2.3V Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 7ns, 6ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 7ns, 6ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap)	Voltage - Supply	4.5 V ~ 18 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 7ns, 6ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-SON (3x3)	Logic Voltage - VIL, VIH	1V, 2.3V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 7ns, 6ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-SON (3x3)	Current - Peak Output (Source, Sink)	5A, 5A
Rise / Fall Time (Typ) $7ns$, $6ns$ Operating Temperature $-40^{\circ}\text{C} \sim 140^{\circ}\text{C}$ (TJ)Mounting TypeSurface MountPackage / Case $8\text{-WDFN Exposed Pad}$ Supplier Device Package $8\text{-SON }(3x3)$	Input Type	Inverting, Non-Inverting
Operating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-SON (3x3)	High Side Voltage - Max (Bootstrap)	-
Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-SON (3x3)	Rise / Fall Time (Typ)	7ns, 6ns
Package / Case 8-WDFN Exposed Pad Supplier Device Package 8-SON (3x3)	Operating Temperature	-40°C ~ 140°C (TJ)
Supplier Device Package 8-SON (3x3)	Mounting Type	Surface Mount
	Package / Case	8-WDFN Exposed Pad
Report errors?	Supplier Device Package	8-SON (3x3)
Report circles.		Report errors?

UCC27525DSDR 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.

UCC27525DSDR Payment Methods

































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