



### **UCC27531DBVR Information**



For Reference Only

Part Number UCC27531DBVR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC GATE DRVR IGBT/MOSFET SOT23-6

Package SOT-23-6

For the pricing/inventory/lead time, please contact

us

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



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## **UCC27531DBVR Specifications**

Manufacturer       UCC27531DBVR         Manufacturer       Texas Instruments         Category       Integrated Circuits (ICs)         PACKAGE       SOT-23-6         Series       -         Driven Configuration       High-Side or Low-Side         Channel Type       Single         Number of Drivers       1         Gate Type       IGBT, N-Channel MOSFET         Voltage - Supply       10 V ~ 32 V         Logic Voltage - VIL, VIH       1.2V, 2.2V         Current - Peak Output (Source, Sink)       2.5A, 5A         Input Type       Non-Inverting         High Side Voltage - Max (Bootstrap)       -         Rise / Fall Time (Typ)       15ns, 7ns         Operating Temperature       -40°C ~ 140°C (TJ)         Mounting Type       Surface Mount         Package / Case       SOT-23-6         Supplier Device Package       SOT-23-6		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  SOT-23-6  Series  - Driven Configuration  High-Side or Low-Side  Channel Type  Single  Number of Drivers  1  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  1.2V, 2.2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  SUP-23-6  SUP-23-6  SUP-23-6  SUP-23-6  SUP-23-6  SUP-23-6	Manufacturer Part Number	UCC27531DBVR
Package SOT-23-6 Series - Driven Configuration High-Side or Low-Side Channel Type Single Number of Drivers 1 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 32 V Logic Voltage - VIL, VIH 1,2V, 2.2V Current - Peak Output (Source, Sink) 2.5A, 5A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 15ns, 7ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Manufacturer	Texas Instruments
PackageSOT-23-6Series-Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 32 VLogic Voltage - VIL, VIH1.2V, 2.2VCurrent - Peak Output (Source, Sink)2.5A, 5AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 7nsOperating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Category	Integrated Circuits (ICs)
Series - Driven Configuration High-Side or Low-Side Channel Type Single  Number of Drivers 1 IGBT, N-Channel MOSFET  Voltage - Supply 10 V ~ 32 V  Logic Voltage - VIL, VIH 1.2V, 2.2V  Current - Peak Output (Source, Sink) 2.5A, 5A  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 15ns, 7ns  Operating Temperature -40°C ~ 140°C (TJ)  Mounting Type Surface Mount  Package / Case SOT-23-6  Supplier Device Package SOT-23-6		PMIC - Gate Drivers
Driven Configuration  Channel Type  Single  Number of Drivers  1  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Logic Voltage - VIL, VIH  1.2V, 2.2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 140°C (TJ)  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  SOT-23-6	Package	SOT-23-6
Channel Type Single  Number of Drivers 1  Gate Type IGBT, N-Channel MOSFET  Voltage - Supply 10 V ~ 32 V  Logic Voltage - VIL, VIH 1.2V, 2.2V  Current - Peak Output (Source, Sink) 2.5A, 5A  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) -  Rise / Fall Time (Typ) 15ns, 7ns  Operating Temperature -40°C ~ 140°C (TJ)  Mounting Type Surface Mount  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Series	-
Number of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 32 VLogic Voltage - VIL, VIH1.2V, 2.2VCurrent - Peak Output (Source, Sink)2.5A, 5AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 7nsOperating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Driven Configuration	High-Side or Low-Side
Gate Type  Voltage - Supply  Logic Voltage - VIL, VIH  1.2V, 2.2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 140°C (TJ)  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  IGBT, N-Channel MOSFET  IGBT, N-Channel MOSFET  IOR 32 V  1.2V, 2.2V  2.5A, 5A  Non-Inverting	Channel Type	Single
Voltage - Supply  Logic Voltage - VIL, VIH  1.2V, 2.2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 140°C (TJ)  Mounting Type  Surface Mount  Package / Case  SOT-23-6  Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH1.2V, 2.2VCurrent - Peak Output (Source, Sink)2.5A, 5AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 7nsOperating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 140°C (TJ)  Mounting Type  Surface Mount  Package / Case  SOT-23-6  Supplier Device Package	Voltage - Supply	10 V ~ 32 V
Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 140°C (TJ)  Mounting Type  Surface Mount  Package / Case  SOT-23-6  Supplier Device Package	Logic Voltage - VIL, VIH	1.2V, 2.2V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  15ns, 7ns  Operating Temperature  -40°C ~ 140°C (TJ)  Mounting Type  Surface Mount  Package / Case  SOT-23-6  Supplier Device Package	Current - Peak Output (Source, Sink)	2.5A, 5A
Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 140°C (TJ)  Mounting Type  Surface Mount  Package / Case  SOT-23-6  Supplier Device Package	Input Type	Non-Inverting
Operating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Rise / Fall Time (Typ)	15ns, 7ns
Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Operating Temperature	-40°C ~ 140°C (TJ)
Supplier Device Package SOT-23-6	Mounting Type	Surface Mount
	Package / Case	SOT-23-6
Report errors?	Supplier Device Package	SOT-23-6
		Report errors?

#### **UCC27531DBVR 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.

## **UCC27531DBVR Payment Methods**



















### **UCC27531DBVR Shipping Methods**













If you have any question about UCC27531DBVR, please do not hesitate to contact us!

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