



UCC27531D Information



For Reference Only

Part NumberUCC27531DManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)
PMIC - Gate Drivers

DescriptionIC GATE DRIVER FET/IGBT 8SOIC**Package**8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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UCC27531D Specifications

| Manufacturer Part NumberUCC27531DManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-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 / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOICReport errors? | | |
|---|--------------------------------------|-------------------------------|
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| Package 8-SOIC (0.154", 3.90mm Width) 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 8-SOIC (0.154", 3.90mm Width) Supplier Device Package | Manufacturer | Texas Instruments |
| Package8-SOIC (0.154", 3.90mm Width)Series-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 / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC | Category | Integrated Circuits (ICs) |
| Series-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 / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC | | PMIC - Gate Drivers |
| Driven Configuration 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 -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package | Package | 8-SOIC (0.154", 3.90mm Width) |
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| Number of Drivers 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 -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package | Driven Configuration | High-Side or Low-Side |
| 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) 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 8-SOIC (0.154", 3.90mm Width) Supplier Device Package | 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 8-SOIC (0.154", 3.90mm Width) 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 / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC | 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 8-SOIC (0.154", 3.90mm Width) Supplier Device Package | Voltage - Supply | 10 V ~ 32 V |
| Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 15ns, 7ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) 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 8-SOIC (0.154", 3.90mm Width) Supplier Device Package | Current - Peak Output (Source, Sink) | 2.5A, 5A |
| Rise / Fall Time (Typ) 15ns, 7ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC | Input Type | Non-Inverting |
| Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC | High Side Voltage - Max (Bootstrap) | - |
| Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC | Rise / Fall Time (Typ) | 15ns, 7ns |
| Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC | Operating Temperature | -40°C ~ 140°C (TJ) |
| Supplier Device Package 8-SOIC | Mounting Type | Surface Mount |
| | Package / Case | 8-SOIC (0.154", 3.90mm Width) |
| Report errors? | Supplier Device Package | 8-SOIC |
| | | Report errors? |

UCC27531D 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.

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UCC27531D Shipping Methods













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