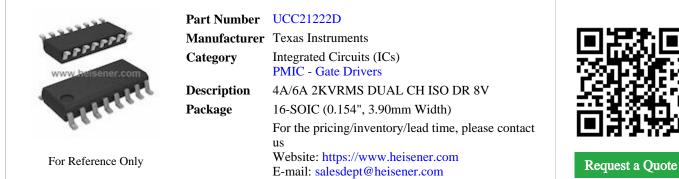


## UCC21222D

#### **UCC21222D** Information



#### **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.



#### **UCC21222D Specifications**

Manufacturer Part Number UCC21222D   Manufacturer Texas Instruments   Category Integrated Circuits (ICs)   PMIC - Gate Drivers PMIC - Gate Drivers   Package 16-SOIC (0.154", 3.90mm Width)   Series -   Driven Configuration Half-Bridge   Channel Type Independent   Number of Drivers 2   Gate Type IGBT, N-Channel MOSFET   Voltage - Supply 3 V ~ 5.5 V   Logic Voltage - VIL, VIH 1.25V, 1.6V   Current - Peak Output (Source, Sink) 4A, 6A   Input Type CMOS/TTL   High Side Voltage - Max (Bootstrap) -   Querting Temperature -40°C ~ 125°C (TA)   Mounting Type Surface Mount   Package / Case 16-SOIC (0.154", 3.90mm Width)		
CategoryIntegrated Circuits (ICs)PackagePMIC - Gate DriversPackage16-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3 V ~ 5.5 VLogic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Size / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeIc-SOIC (0.154", 3.90mm Width)Package / Case16-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	UCC21222D
PMIC - Gate DriversPackage16-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3 V ~ 5.5 VLogic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 6nsOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Manufacturer	Texas Instruments
Package16-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3 V ~ 5.5 VLogic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeSms 6nsKigh Side Voltage - Max (Bootstrap)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3 V ~ 5.5 VLogic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Size / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)		PMIC - Gate Drivers
Driven ConfigurationHalf-BridgeDriven ConfigurationIndependentChannel Type2Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3 V ~ 5.5 VLogic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Sise / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Package	16-SOIC (0.154", 3.90mm Width)
Channel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3 V ~ 5.5 VLogic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 6nsOperating TemperatureAu°c ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Series	-
Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3 V ~ 5.5 VLogic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Driven Configuration	Half-Bridge
Gate TypeIGBT, N-Channel MOSFETVoltage - Supply3 V ~ 5.5 VLogic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)Sns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Channel Type	Independent
Voltage - Supply3 V ~ 5.5 VLogic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Number of Drivers	2
Logic Voltage - VIL, VIH1.25V, 1.6VCurrent - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink)4A, 6AInput TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Voltage - Supply	3 V ~ 5.5 V
Input TypeCMOS/TTLHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Logic Voltage - VIL, VIH	1.25V, 1.6V
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Current - Peak Output (Source, Sink)	4A, 6A
Rise / Fall Time (Typ)5ns, 6nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Input Type	CMOS/TTL
Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	High Side Voltage - Max (Bootstrap)	-
Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Rise / Fall Time (Typ)	5ns, 6ns
Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 16-SOIC	Mounting Type	Surface Mount
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

#### **UCC21222D 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.

# UCC21222D Payment Methods WIRE R PayPal WELLEN MONEYGRAM ALON WISA MONEY MONEY WISA MONEY MONEY UCC21222D Shipping Methods MONEY MONEY

If you have any question about UCC21222D, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com