

## **UCC27425D Information**



For Reference Only

Part Number UCC27425D

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC MOSFET DVR DUAL HS 4A 8-SOIC

**Package** 8-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.









## **UCC27425D Specifications**

Manufacturer Part Number         UCC27425D           Manufacturer         Texas Instruments           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 V ~ 15 V           Logic Voltage - VIL, VIH         1V, 2V           Current - Peak Output (Source, Sink)         4A, 4A           Input Type         Inverting, Non-Inverting           High Side Voltage - Max (Bootstrap)         -           Rise / Fall Time (Typ)         20ns, 15ns           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC		
Category  Package  Package  Resolt (0.154", 3.90mm Width)  Series  Low-Side  Channel Type  Independent  Number of Drivers  2  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Logic Voltage - VIL, VIH  Lurent - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  August	Manufacturer Part Number	UCC27425D
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 V ~ 15 V Logic Voltage - VIL, VIH 1V, 2V Current - Peak Output (Source, Sink) 4A, 4A Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 20ns, 15ns Operating Temperature -55°C ~ 150°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 ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4 V ~ 15 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 15nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4 V ~ 15 VLogic Voltage - VIL, VIH1V, 2VCurrent - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 15nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		PMIC - Gate Drivers
Driven Configuration  Channel Type  Independent  Number of Drivers  2  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°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)
Channel Type Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4 V ~ 15 V Logic Voltage - VIL, VIH 1V, 2V Current - Peak Output (Source, Sink) Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 20ns, 15ns Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Series	-
Number of Drivers  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4 V ~ 15 V  Logic Voltage - VIL, VIH  1V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Driven Configuration	Low-Side
Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4 V ~ 15 V  Logic Voltage - VIL, VIH  1V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  1V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  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)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Voltage - Supply	4 V ~ 15 V
Input Type Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap) -  Rise / Fall Time (Typ) 20ns, 15ns  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Logic Voltage - VIL, VIH	1V, 2V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Current - Peak Output (Source, Sink)	4A, 4A
Rise / Fall Time (Typ)  20ns, 15ns  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Input Type	Inverting, Non-Inverting
Operating Temperature  -55°C ~ 150°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)	20ns, 15ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-55°C ~ 150°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?

### **UCC27425D 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.

## **UCC27425D Payment Methods**



















### **UCC27425D Shipping Methods**













If you have any question about UCC27425D, please do not hesitate to contact us!

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