



### **UCC37321DG4 Information**



For Reference Only

Part Number UCC37321DG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC MOSFET DRVR SGL HS 9A 8-SOIC

**Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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## **UCC37321DG4 Specifications**

Manufacturer Part Number         UCC37321DG4           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         Single           Number of Drivers         1           Gate Type         N-Channel, P-Channel MOSFET           Voltage - Supply         4 V ~ 15 V           Logic Voltage - VIL, VIH         1.1V, 2.7V           Current - Peak Output (Source, Sink)         9A, 9A           Input Type         Inverting           High Side Voltage - Max (Bootstrap)         -           Rise / Fall Time (Typ)         20ns, 20ns           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  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  - Driven Configuration  Low-Side  Channel Type  Single  Number of Drivers  1 Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4 V ~ 15 V  Logic Voltage - VIL, VIH  1.1V, 2.7V  Current - Peak Output (Source, Sink)  Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Jons, 20ns  Operating Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Manufacturer Part Number	UCC37321DG4
Package 8-SOIC (0.154", 3.90mm Width)  Series - Driven Configuration Low-Side  Channel Type Single  Number of Drivers 1  Gate Type N-Channel, P-Channel MOSFET  Voltage - Supply 4 V ~ 15 V  Logic Voltage - VIL, VIH 1.1V, 2.7V  Current - Peak Output (Source, Sink) 9A, 9A  Input Type Inverting  High Side Voltage - Max (Bootstrap) -  Rise / Fall Time (Typ) 20ns, 20ns  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 TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4 V ~ 15 VLogic Voltage - VIL, VIH1.1V, 2.7VCurrent - Peak Output (Source, Sink)9A, 9AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 20nsOperating 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 TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4 V ~ 15 VLogic Voltage - VIL, VIH1.1V, 2.7VCurrent - Peak Output (Source, Sink)9A, 9AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 20nsOperating 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  Single  Number of Drivers  1  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  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  1  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4 V ~ 15 V  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  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	Series	-
Number of Drivers  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4 V ~ 15 V  Logic Voltage - VIL, VIH  1.1V, 2.7V  Current - Peak Output (Source, Sink)  Input Type  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  1.1V, 2.7V  Current - Peak Output (Source, Sink)  Input Type  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	Single
Voltage - Supply  Logic Voltage - VIL, VIH  1.1V, 2.7V  Current - Peak Output (Source, Sink)  Input Type  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	1
Logic Voltage - VIL, VIH1.1V, 2.7VCurrent - Peak Output (Source, Sink)9A, 9AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)20ns, 20nsOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  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
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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)	9A, 9A
Rise / Fall Time (Typ)  20ns, 20ns  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
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, 20ns
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?

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