



# **UCC27712QDQ1 Information**



Part Number UCC27712QDQ1

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** 700V GATE DRIVER

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

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com
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## **UCC27712QDQ1 Specifications**

Manufacturer Part Number         UCC27712QDQ1           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Package         8-SOIC (0.154", 3.90mm Width)           Series         Automotive, AEC-Q100           Driven Configuration         High-Side or Low-Side           Channel Type         Synchronous           Number of Drivers         2           Gate Type         IGBT, N-Channel, P-Channel MOSFET           Voltage - Supply         10 V ~ 20 V           Logic Voltage - VIL, VIH         0.8V, 2.4V           Current - Peak Output (Source, Sink)         1.8A, 2.8A           Input Type         -           High Side Voltage - Max (Bootstrap)         700V           Rise / Fall Time (Typ)         16ns, 10ns           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  Automotive, AEC-Q100  Driven Configuration  High-Side or Low-Side  Channel Type  Synchronous  Number of Drivers  2  Gate Type  IGBT, N-Channel, P-Channel MOSFET  Voltage - Supply  10 V ~ 20 V  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  1.8A, 2.8A  Input Type  -High Side Voltage - Max (Bootstrap)  700V  Rise / Fall Time (Typ)  16ns, 10ns  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Manufacturer Part Number	UCC27712QDQ1
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Gate Type  IGBT, N-Channel, P-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  - High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  16ns, 10ns  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Channel Type	Synchronous
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Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 125°C (TA)
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?

### **UCC27712QDQ1** 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.

### **UCC27712QDQ1 Payment Methods**





















## **UCC27712QDQ1 Shipping Methods**













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