



NCV5703CDR2G Information



For Reference Only

Part Number NCV5703CDR2G

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

DescriptionHIGH CURRENT GATE DRIVER**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



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NCV5703CDR2G Specifications

Manufacturer Part NumberNCV5703CDR2GManufacturerON SemiconductorCategoryIntegrated Circuits (ICs)Package8-SOIC (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers1Gate TypeIGBTVoltage - Supply20VLogic Voltage - VIL, VIH0.75V, 4.3VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)9.2ns, 7.9nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Series Automotive, AEC-Q100 Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 1 Gate Type IGBT Voltage - Supply Logic Voltage - VIL, VIH 0.75V, 4.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Au°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer Part Number	NCV5703CDR2G
Package 8-SOIC (0.154", 3.90mm Width) Series Automotive, AEC-Q100 Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 1 Gate Type IGBT Voltage - Supply 20V Logic Voltage - VIL, VIH 0.75V, 4.3V Current - Peak Output (Source, Sink) 1A, 1A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 9.2ns, 7.9ns Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer	ON Semiconductor
Package 8-SOIC (0.154", 3.90mm Width) Series Automotive, AEC-Q100 Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 1 Gate Type IGBT Voltage - Supply 20V Logic Voltage - VIL, VIH 0.75 V, 4.3 V Current - Peak Output (Source, Sink) 1A, 1A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 9.2ns, 7.9ns Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Category	Integrated Circuits (ICs)
Series Automotive, AEC-Q100 Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 1 Gate Type IGBT Voltage - Supply 20V Logic Voltage - VIL, VIH 0.75V, 4.3V Current - Peak Output (Source, Sink) 1A, 1A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 9.2ns, 7.9ns Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package		PMIC - Gate Drivers
Driven Configuration Channel Type Synchronous Number of Drivers 1 Gate Type IGBT Voltage - Supply 20V Logic Voltage - VIL, VIH 0.75V, 4.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 9.2ns, 7.9ns Operating Temperature -40°C ~ 125°C (TA) 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 Synchronous Number of Drivers 1 Gate Type IGBT Voltage - Supply 20V Logic Voltage - VIL, VIH 0.75V, 4.3V Current - Peak Output (Source, Sink) 1A, 1A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 9.2ns, 7.9ns Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Series	Automotive, AEC-Q100
Number of Drivers Gate Type IGBT Voltage - Supply Logic Voltage - VIL, VIH 0.75V, 4.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Driven Configuration	Half-Bridge
Gate Type Voltage - Supply Logic Voltage - VIL, VIH 0.75V, 4.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 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
Voltage - Supply Logic Voltage - VIL, VIH 0.75V, 4.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH0.75V, 4.3VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)9.2ns, 7.9nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Gate Type	IGBT
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Voltage - Supply	20V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Logic Voltage - VIL, VIH	0.75V, 4.3V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 9.2ns, 7.9ns Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Current - Peak Output (Source, Sink)	1A, 1A
Rise / Fall Time (Typ) 9.2ns, 7.9ns 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	Input Type	Non-Inverting
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	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)	9.2ns, 7.9ns
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?

NCV5703CDR2G 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.

NCV5703CDR2G Payment Methods



















NCV5703CDR2G Shipping Methods













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