



NCV5703ADR2G Information



For Reference Only

Part Number NCV5703ADR2G

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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NCV5703ADR2G Specifications

Manufacturer Part Number Manufacturer 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 Single Number of Drivers I Gate Type Voltage - Supply Logic Voltage - VIL, VIH O.75V, 4.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package Report errors?		
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 Single 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	NCV5703ADR2G
Package 8-SOIC (0.154", 3.90mm Width) Series Automotive, AEC-Q100 Driven Configuration Half-Bridge Channel Type Single 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
Package8-SOIC (0.154", 3.90mm Width)SeriesAutomotive, AEC-Q100Driven ConfigurationHalf-BridgeChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply20VLogic Voltage - VIL, VIH0.75 V, 4.3 VCurrent - 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)
Series Automotive, AEC-Q100 Driven Configuration Half-Bridge Channel Type Single 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 Single Single 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 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) 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 Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature 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 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?

NCV5703ADR2G Guarantees



Quality Guarantees

We provide 90 days warranty. *

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Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

NCV5703ADR2G Payment Methods



















NCV5703ADR2G Shipping Methods













If you have any question about NCV5703ADR2G, please do not hesitate to contact us!

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