



## NCD5701ADR2G Information



For Reference Only

Part Number NCD5701ADR2G

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** HIGH CURRENT IGBT GATE DRIVER

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

For the pricing/inventory/lead time, please contact

us

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## NCD5701ADR2G Specifications

Manufacturer Part Number  Manufacturer  ON Semiconductor  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  NCD5701  Driven Configuration  Low-Side  Channel Type  Single  Number of Drivers  1  Gate Type  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Mounting Type  Package / Case  8-SOIC (0.154", 3.90mm Width)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Package / Case  Package / Case  Package / Package		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  NCD5701  Driven Configuration  Low-Side  Channel Type  Single  Number of Drivers  1  Gate Type  IGBT  Voltage - Supply  20V  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  - 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	Manufacturer Part Number	NCD5701ADR2G
Package 8-SOIC (0.154", 3.90mm Width) Series NCD5701 Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type IGBT Voltage - Supply 20V Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) 4A, 6A Input Type High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 18ns, 19ns Operating Temperature -40°C ~ 150°C (TJ) 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)SeriesNCD5701Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply20VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)4A, 6AInput Type-High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)18ns, 19nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Category	Integrated Circuits (ICs)
SeriesNCD5701Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply20VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)4A, 6AInput Type-High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)18ns, 19nsOperating Temperature-40°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  IGBT  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  - 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	Package	8-SOIC (0.154", 3.90mm Width)
Channel Type  Number of Drivers  1  Gate Type  IGBT  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  - High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Single  IGBT  1GBT  -  1GBT  -  10  10  10  10  10  10  10  10  10	Series	NCD5701
Number of Drivers  Gate Type  IGBT  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  - High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  AovC ~ 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  Voltage - Supply  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  - High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  Supplier Device Package	Channel Type	Single
Voltage - Supply  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  - High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°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, VIH-Current - Peak Output (Source, Sink)4A, 6AInput Type-High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)18ns, 19nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Gate Type	IGBT
Current - Peak Output (Source, Sink)  Input Type  - High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  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) 18ns, 19ns Operating Temperature -40°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	-
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  18ns, 19ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Current - Peak Output (Source, Sink)	4A, 6A
Rise / Fall Time (Typ)  18ns, 19ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Input Type	-
Operating Temperature  -40°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)	18ns, 19ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Papart arrors?	Supplier Device Package	8-SOIC
Report errors:		Report errors?

#### NCD5701ADR2G Guarantees



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We guarantee 100% customer satisfaction.

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

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### NCD5701ADR2G Shipping Methods













If you have any question about NCD5701ADR2G, please do not hesitate to contact us!

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