



Image may be representation.
See specifications for product details.



VNH7100ASTR

Manufacturer Part Number	VNH7100ASTR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VNH7100ASTR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MOTOR DRIVER 4V-28V 16SOIC
Package	16-SOIC (0.154", 3.90mm Width)
Data sheet	VNH7100AS Datasheet.pdf
RoHs Status	ROHS3 Compliant

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VNH7100ASTR - STMicroelectronics.New Original in Stock. Download Linear Technology VNH7100ASTR datasheet/specifications on AllelcoElec.com.
Request a quote for VNH7100ASTR, please send us email: info@allelco.com

Specifications

VNH7100ASTR Tech Specifications
VNH7100ASTR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Supply	4V ~ 28V	Mounting Type	Surface Mount
Voltage - Load	4V ~ 28V	Motor Type - Stepper	-
Technology	Power MOSFET	Motor Type - AC, DC	Brushed DC
Supplier Device Package	16-SO	Interface	PWM
Step Resolution	-	Function	Driver - Fully Integrated, Control and Power Stage
Series	Automotive, AEC-Q100, VIPOWER™	Current - Output	12A
Package / Case	16-SOIC (0.154", 3.90mm Width)	Base Product Number	VNH7100
Package	Tape & Reel (TR)	Applications	Automotive
Output Configuration	Half Bridge (2)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VNH7100ASTR

Product Attribute				
Part Number	VNH7100ASTR	VNHD7008AYTR	VNH5019ATR-E	VNH5050ATR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Load	4V ~ 28V	4V ~ 28V	5.5V ~ 24V	5.5V ~ 18V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Applications	Automotive	Automotive	Automotive	Automotive
Output Configuration	Half Bridge (2)	Half Bridge (2)	Half Bridge (2)	Half Bridge (2)
Series	Automotive, AEC-Q100, VIPOWER™	Automotive, AEC-Q100, VIPOWER™	ECOPACK®, VIPower™	ECOPACK®, VIPower™
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Base Product Number	VNH7100	VNHD7008	VNH5019	VNH5050
Technology	Power MOSFET	Power MOSFET	Power MOSFET	Power MOSFET
Motor Type - AC, DC	Brushed DC	Brushed DC	Brushed DC	Brushed DC
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	16-SOIC (0.154", 3.90mm Width)	36-PowerFSOP (0.295", 7.50mm Width)	30-PowerSOP (0.630", 16.00mm Width)	36-PowerBFSOP (0.295", 7.50mm Width)
Interface	PWM	PWM	Parallel, PWM	Parallel, PWM
Supplier Device Package	16-SO	PowerSSO-36	MultiPowerSO-30	PowerSSO-36 TP
Function	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage	Driver - Fully Integrated, Control and Power Stage
Step Resolution	-	-	-	-
Current - Output	12A	51A	30A	30A
Motor Type - Stepper	-	-	-	-
Voltage - Supply	4V ~ 28V	4V ~ 28V	5.5V ~ 24V	5.5V ~ 18V

VNH7100ASTR Datasheet PDF

Download VNH7100ASTR pdf datasheets and STMicroelectronics documentation for VNH7100ASTR - STMicroelectronics.

PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Assembly/Origin

[Mult Devices Testing 10/May/2018.pdf](#)

HTML Datasheet

[VNH7100AS Datasheet.pdf](#)

 VN7100ASTR obs 14/Apr/2022.pdf

Customers Also Interested in

Recommended Products



VNHD7008AYTR
STMicroelectronics
IC MOTOR DRIVER 4V-28V
36PWRSSO



VNH5019ATR-E
STMicroelectronics
IC MTR DRV 5.5-24V MULTIPWRSO-
30



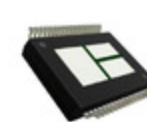
VNH5050ATR-E
STMicroelectronics
IC MTR DRVR 5.5V-18V
36PWRSSO



VNH7070AYTR
STMicroelectronics
AUTOMOTIVE FULLY INTEGRATED
H-BR



VNH5200ASTR-E
STMicroelectronics
IC MOTOR DRIVER 5.5V-18V 16SOIC



VNH5180ATR-E
STMicroelectronics
IC MTR DRVR 5.5V-18V
36PWRSSO



VNHD7012AYTR
STMicroelectronics
IC MOTOR DRVR 4V-28V
36PWRSSO



VNH7070ASTR
STMicroelectronics
IC MOTOR DRIVER 4V-28V 16SOIC



VNH5050ATR
STMicroelectronics



VNH5050A
STMicroelectronics



VNH7013XP
STMicroelectronics



VNH5180A
STMicroelectronics



VNH5050A-E
STMicroelectronics
IC MTR DRVR 5.5V-18V
36PWRSSO



VNH7013XPTR-E
STMicroelectronics
IC HALF BRIDGE DRVR 40A
36PWRSSO



VNH7100BASTR
STMicroelectronics
IC MOTOR DRIVER 4V-28V 16SO



VNH7040AYTR
STMicroelectronics
IC MOTOR DRVR 4V-28V
36PWRSSO



VNH7070BASTR
STMicroelectronics
IC MOTOR DRIVER 4V-28V 16SO



VNH9013YTR
STMicroelectronics
IC HALF BRIDGE DRVR 40A
36PWRSSO

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -

 Efficient Supply Management
 Cost-Saving Procurement
 Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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