



Image may be representation.
See specifications for product details.



VN5772AKTR-E

Manufacturer Part Number	VN5772AKTR-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VN5772AKTR-E
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC HALF BRIDGE DRIVER 18A 28SO
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	VN5772AK-E.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VN5772AKTR-E - STMicroelectronics.New Original in Stock. Download Linear Technology VN5772AKTR-E datasheet/specifications on AllelcoElec.com.
Request a quote for VN5772AKTR-E, please send us email: info@allelco.com

Specifications

VN5772AKTR-E Tech Specifications

VN5772AKTR-E - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Supply	4.5V ~ 36V	Mounting Type	Surface Mount
Voltage - Load	41V (Max)	Load Type	Inductive, Capacitive, Resistive
Technology	Power MOSFET	Interface	Logic
Supplier Device Package	28-SO	Features	-
Series	OMNIFET III™, VIPower™	Fault Protection	Current Limiting, ESD, Over Temperature, Over Voltage, Short Circuit, UVLO
Rds On (Typ)	50mOhm (Max)	Current - Peak Output	-
Package / Case	28-SOIC (0.295", 7.50mm Width)	Current - Output / Channel	18A
Package	Tape & Reel (TR)	Base Product Number	VN5772
Output Configuration	Half Bridge (2)	Applications	DC Motors, General Purpose, Relays

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN5772AKTR-E

Product Attribute				
Part Number	VN5772AKTR-E	VN5770AK-E	VN5770AKTR-E	VN5770AKPTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	VN5772	VN5770	VN5770	VN5770
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-SOIC (0.295", 7.50mm Width)	28-SOIC (0.295", 7.50mm Width)	28-SOIC (0.295", 7.50mm Width)
Rds On (Typ)	50mOhm (Max)	160mOhm	160mOhm	160mOhm
Interface	Logic	Logic	Logic	Logic
Current - Output / Channel	18A	8.5A	8.5A	8.5A
Load Type	Inductive, Capacitive, Resistive	Inductive, Capacitive, Resistive	Inductive, Capacitive, Resistive	Inductive, Capacitive, Resistive
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Current - Peak Output	-	-	-	-
Output Configuration	Half Bridge (2)	Half Bridge (2)	Half Bridge (2)	Half Bridge (2)
Supplier Device Package	28-SO	28-SO	28-SO	28-SO
Applications	DC Motors, General Purpose, Relays	DC Motors, General Purpose, Relays	DC Motors, General Purpose, Relays	DC Motors, General Purpose, Relays
Series	OMNIFET III™, VIPower™	OMNIFET II™, VIPower™	OMNIFET II™, VIPower™	OMNIFET II™, VIPower™
Fault Protection	Current Limiting, ESD, Over Temperature, Over Voltage, Short Circuit, UVLO	Current Limiting, ESD, Over Temperature, Over Voltage, Short Circuit, UVLO	Current Limiting, ESD, Over Temperature, Over Voltage, Short Circuit, UVLO	Current Limiting, ESD, Over Temperature, Over Voltage, Short Circuit, UVLO
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Voltage - Load	41V (Max)	41V (Max)	41V (Max)	41V (Max)
Features	-	-	-	-
Voltage - Supply	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	Power MOSFET	Power MOSFET	Power MOSFET	Power MOSFET

VN5772AKTR-E Datasheet PDF

Download VN5772AKTR-E pdf datasheets and STMicroelectronics documentation for VN5772AKTR-E - STMicroelectronics.

PCN Packaging

Box Label Chg 28/Jul/2016.pdf

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin



















Mult Dev Assembly Chg 18/Oct/2019.pdf

HTML Datasheet

PCN Obsolescence/ EOL

Customers Also Interested in

Recommended Products

 life.augmented		 NO PICTURE	 life.augmented	 life.augmented	 life.augmented
VN5D05TR-E STMicroelectronics	VN5770AK-E STMicroelectronics IC HALF BRIDGE DRIVER 8.5A 28SO	VN5770AK NA	VN5D10TR-E STMicroelectronics	VN5772AKPTE-E STMicroelectronics	VN5D05SP STMicroelectronics
	 life.augmented		 life.augmented	 life.augmented	
VN540SP-E STMicroelectronics IC PWR DRIVER 1:1 PWRSO10	VN5D10 STMicroelectronics	VN5770AKTR-E STMicroelectronics IC HALF BRIDGE DRIVER 8.5A 28SO	VN5E010AH STMicroelectronics	VN575SP STMicroelectronics	VN5E006ASPTR-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWRSO10
		 life.augmented			 life.augmented
VN5770AKPTR-E STMicroelectronics IC HALF BRIDGE DRIVER 8.5A 28SO	VN540SPTR-E STMicroelectronics IC PWR DRIVER 1:1 PWRSO10	VN5770AKP STMicroelectronics	VN5E010AH-E STMicroelectronics IC PWR SWITCH N-CHAN 1:1 6HPAK	VN5E010AHTR-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 6HPAK	VN5E006ASPTR-E STMicroelectronics

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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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